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ANNUAL REPORT
OF THE
PUBLIC WORKS DEPARTMENT
OF THE
CITY OF BOSTON

FOR THE YEAR ENDING DECEMBER 31, 1961.



HON. JOHN F. COLLINS, *Mayor*
JAMES W. HALEY, *Commissioner of Public Works*
JOHN J. MCCALL, *Engineering Division Engineer*
RUTHFORD J. KELLEY, *Highway Division Engineer*
JOHN F. FLAHERTY, *Sanitary Division Engineer*
EDWARD G. A. POWERS, *Sewer Division Engineer*
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PUBLIC WORKS DEPARTMENT

1961 ANNUAL REPORT

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OF THE
PUBLIC WORKS DEPARTMENT
FOR THE YEAR ENDING DECEMBER 31, 1961.

BOSTON, January 2, 1962.

HON. JOHN F. COLLINS,
Mayor of Boston.

DEAR MR. MAYOR:

In compliance with the provisions of Section 24 of Chapter 3 of the Revised Ordinances of 1947, I respectfully submit herewith the annual report of the Public Works Department and the Public Improvement Commission for the year ending December 31, 1961.

Public Works embraces the many services vital to the economic growth of Boston, and the convenience of the citizens, namely, highway, water, sewer and sanitation.

PROGRAMS

To efficiently carry on the functions of the various activities of the department, programs are channeled through the following agencies:

CENTRAL OFFICE

The Central Office is composed of three sections: an Administrative Branch in charge of the Department Executive Secretary, a Maintenance Branch in charge of the Director of Transportation, and a Permit Branch in charge of a Supervisor of Permits.

The Administrative Branch function included the analysis and processing of departmental correspondence, purchase-supply requisitions, service orders, contracts, payrolls, personnel requirements, bookkeeping and filing, and provided all services required by the Public Improvement Commission.

The Maintenance Branch provided for the repair and maintenance of the departmental automotive equipment; supervision of and maintenance of all departmental buildings and property; operation of four garages; operation of departmental blacksmith shop, a sweeper repair shop, and a building maintenance shop; and the twenty-four-hour operation of a two-way radio station and switchboard capable of handling any emergency. The Maintenance Branch provided for the care of 400 units ranging from passenger cars to fifteen-ton dump trucks. A stock room inventory of approximately \$50,000 worth of automotive parts is maintained. A monthly schedule of vehicle inspection and lubrication is maintained. A one-story garage containing 8,200 square feet of floor space is used for general repair work, stock room, lubritorium, and dispensing of gasoline. A two-story garage with a floor area of 22,000 square feet is used for live storage of vehicles and dispensing gasoline. In Dorchester, a one-story building with a floor area of 8,800 square feet is used for automotive repairs and garaging vehicles. In West Roxbury, a one-story garage, with a floor area of 8,400 square feet is used for repair work and vehicle storage. The Maintenance Branch replaced a major portion of the automotive fleet by the purchase of new equipment amounting to \$683,525 from the equipment loan; \$83,323 from department budget funds; and \$299,410 from snow removal funds. Fifty new two-way radios were ordered to be paid in part from civil defense funds, to make 90

installations, which will coordinate all activities of the Public Works Department. A closed circuit teletype system now links the central office, radio base and ten district yards, so that any emergency may now be handled with the ultimate dispatch. Modern lighting fixtures have been installed in repair shops. Driver training programs are being maintained.

The Permit Branch issued all permits under the jurisdiction of the department and collected the fees for such permits. These totaled \$188,267.30. A total of 14,680 permits were issued.

ENGINEERING DIVISION

The Engineering Division furnished engineer and planning of all projects of the department. The division is organized in four sections: Administrative, Planning and Programming, Survey, and Design.

The Administrative Section processed and maintained records of personnel, supplies, reproductions, correspondence, and engineering costs. The reproduction unit of this section furnished 24,723 photostats; 563 blueprints; 31,155 ozalids; 382 auto-positives; and 96 stock cards. The photographic unit processed 3,406 negatives, 1,750 4 inch by 5 inch prints and 1,656 8 inch by 10 inch prints.

The Planning Section provided planning, preparation, and programming of all engineering projects of the department, involving highway, bridge, sewer, sanitation, water and street lighting facilities. Work of this section also included coordination with other agencies, as Redevelopment Authority, Housing Authority, Department of Public Works of the Commonwealth, and the Public Improvement Commission. Eight Chapter 90 streets, with a total length of 29,196 linear feet were advertised at an estimated cost of \$793,087. Engineering preparation was made on five other Chapter 90 streets, 14,673 linear feet in length, at an estimated cost of \$436,500.

The Survey Section made surveys and plans in connection with (a) laying-out, widening, design, and construction of highways, (b) takings by eminent domain,

(c) discontinuance of public highways, (d) sidewalk assessments, and (e) specific repairs. Lines and grades for construction of public works were made; staking out and setting bounds; surveys and plans were made for major developments, as were surveys and plans of city-owned land. Twenty-four surveys and plans were made for the laying out of 2.54 miles of public highways. Seventy land court plans were checked, 30 surveys were made and reports filed on flooding conditions of highways. Sewer profiles were made for 0.8 miles of sewers. One hundred and twenty-three surveys and plans were made for twenty miles of highway reconstruction. Seven surveys and plans were made for widening and relocation of 1.5 miles of public highways. One survey and plan was made for discontinuance of 0.04 miles of highway. Twenty surveys and plans were made for sewer easements totaling 2 miles. Three sewer assessment plans were made. Twenty-nine profiles for highway construction were made involving 3.6 miles. Nine sidewalk assessment plans were made involving 0.75 miles. Six surveys and plans were made for minimum requirement pavements involving 0.53 miles. Surveys and plans were made for 12.2 miles of specific repairs and widenings. Thirty streets, a total of 4.00 miles were staked out. Three thousand feet of boundary lines between Boston and contiguous towns were staked. A topographical survey and plan was made for the Hospital Department; three were made for the Fire Department; one for the Park Department; one for the Law Department; one for the Real Property Department; one for the Library Department; and one for the Building Department.

The Design Section functioned in the preparation of all plans, estimates, specifications, and contract forms relating to the design and construction of highway, sewer, and water facilities; preparation of designs, plans, specifications required for proposed structures and appurtenances as required by the operating divisions; design of grades for highway and sewerage works; checking all plot plans submitted to the Building Department for approval as to correct grades for sewer and water

facilities; checking proposed construction over sewer easements; making tracings of all plans prepared by the Survey Section; preparation of maps, plans, and charts required by the department; and making estimates and preliminary plans for the Public Improvement Commission.

During the year, this section completed plans, estimates, and specifications for highway construction estimated at a cost of \$92,808; for highway reconstruction estimated to cost \$1,532,551; sewerage works estimated to cost \$267,939; water works estimated to cost \$246,261; bridge repairs \$7,730. This section completed designs, estimates, construction plans, and specifications for 38 public works contracts. Studies were made of four drainage areas for future sewerage and surface drainage works.

The new Engineering Division is now operating as an efficient unit. The shortage of qualified engineers is being felt, however, and will be a handicap until wage schedules in public employment approach similar rates in private industry.

HIGHWAY DIVISION

The Highway Division is comprised of three sections; Construction, Maintenance, and Street Lighting, and supervises or performs all the services incidental to the construction of streets and sidewalks, highway maintenance, snow removal, street cleaning, and catch basin cleaning; the operation and maintenance of bridges and foot passageway; and the installation and maintenance of street lights.

The Construction Section supervised the construction or reconstruction of 62 streets at a contract price of \$988,208.95 and \$358,264.70 was expended for construction and reconstruction of two bridges. Chapter 90 projects completed during the year were West Broadway from Dorchester avenue to Dorchester street; Commonwealth avenue from Warren street to Chestnut Hill avenue; Beacon street from Kenmore square to Brookline line; Centre street from Grove street to Dedham line; Fairmount avenue from River street to

Truman highway; River street from Wood avenue to Fairmount avenue; West street from River street to Hyde Park avenue, at a contract price of \$796,930.73.

The Maintenance Section performed sidewalk and roadway repairs on and cleaned and flushed 758 miles of streets; cleaned 2,580 catch basins; maintained and operated 7 drawbridges and 83 other bridges. By authority of Chapter 490 of the Acts of 1960, the so-called Charlestown High Bridge was authorized to operate as a fixed span and the draw was welded shut. In April of this year, the responsibility of installing and maintaining street signs was transferred to the Traffic Department.

The Street Lighting Section has custody of all street lights in the city. The section used 175 orders for the installation of modern lighting fixtures in conjunction with our program of installing modern units on roadways to be reconstructed. These orders covered the installation of 1,325 modern units to replace obsolete types on both major and residential streets. Thus, 18.6 miles of residential streets and 12.6 miles of major highways were equipped with modern lighting fixtures.

The Highway Division supervised the work of snow plowing and removal at a total expenditure of \$1,749,694.80. A new approach was made to the problem of getting enough hired equipment to meet the requirements during major storms. Each year it has become increasingly difficult to obtain the required equipment directly from the individual owners. It was equally difficult to control the time that the equipment so hired, reported to the site of the work. This arrangement created the weakest link in the plowing operation.

This year, contracts were awarded for removing snow and furnishing labor and equipment to supplement city forces. One contract was awarded for each district. The contractors in all districts were required to furnish equipment for plowing or removing snow. Performance and payment bonds were included in these contracts. All hired equipment was identified by a

large sticker placed on each piece of equipment. The results were highly successful, and critical time was saved at the height of the emergency.

A telephone answering service was installed in all district yard telephones. This service enabled the district supervisors to concentrate on their work while their telephone calls were being handled intelligently at the main headquarters.

Six hundred litter baskets were purchased, two hundred being of the pole mounted type.

SANITARY DIVISION

The Sanitary Division is composed of two sections—Collection and Disposal, and provides for the collection and removal of all solid waste, either by contract operation or by division labor force, and provided for the disposal of all collected waste by incineration or open land dumps.

The Sanitary Division supervised the work of the contractors removing garbage and refuse from all areas of the city amounting to over 250,000 tons at a collection cost of \$2,158,451. New contracts starting on April 1, reduced the number of collection districts from 17 to 13, eliminated the rolling out of barrels by the contractor and also eliminated the collection of garbage to subcontractors by hog farmers. Disposal sites were provided and operated or supervised by division personnel. At the South Bay Incinerator 137,764 tons of refuse were burned. On April 1, the Dorchester South District 7 was added. With this additional area the incinerator now serves approximately 464,000 people. The Gardner Street Dump was operated by division personnel for the disposal of refuse, and on April 1, a garbage transfer station was placed in operation at this site. The hog farmers receiving this garbage paid at the rate of \$2,500 per year. This division also operated a garbage station at Victory road, Dorchester, at which site the hog farmers paid the city \$1,500 per year for the garbage. Refuse from East Boston was disposed of at a privately owned dump at Saugus.

For the first time, the city provided trucks to be used by a refuse collection contractor in his work and this was done in West Roxbury District.

The division stepped up its antilitter by issuance of violation notices by the waste collection inspectors to owners or householders putting out refuse for collection in an improper manner or for other violation of the sanitation laws. The division continued to clean the alleys in the South End and Roxbury and the alley heads daily. The division continued servicing the Dempster Dumpster boxes in various locations in the South End and placed many of these boxes in various sections of the city over weekends for the use of civic organizations in their clean-up campaigns.

The market cleaning group will continue operating five nights a week in the market district, and a campaign was started to reduce the amount of refuse discarded into the streets by the pushcart peddlers and storekeepers in this area. Marked success was attained in cleaning up Salem street.

The incinerator was operated by departmental personnel which were able to change from $5\frac{1}{3}$ days' operation to 7 days' operation, 24 hours per day. On May 20, the incinerator commenced transmitting steam to the Boston City Hospital for generating direct current electric power for heating, laundry, and cooking. The division also operated at the Calf Pasture for the disposal of residue from the South Bay and for the disposal of noncombustible or bulky material that could not be burned at the incinerator. During the months of January, February, and March the division was responsible for the removal of snow from the retail trade district and the North End.

The land dump at Hallet street, Dorchester, was discontinued in March, 1961.

SEWER DIVISION

The Sewer Division is organized in two sections—Construction and Maintenance, and provided for the construction, replacement, maintenance, and repair of

sanitary sewers, catch basins, surface drains, and appurtenances, and for the operation of pumping stations and disposal plant.

The Construction Section supervised the construction of various sewerage and drainage projects, totaling 3.6 miles of sewers and surface drains at a cost of \$263,601.

The Maintenance Section is responsible for the operation of the sewerage system comprising 1,337.75 miles of common sewers and 30.93 miles of intercepting sewer; pumping stations at Calf Pasture, Union Park street, Symphony Station, Summer street and Sullivan square; and a disposal works at Moon Island. The Calf Pasture Pumping Station total pumpage for the year amounted to 34,862 million gallons, with an average daily output of 96.8 million gallons, at a cost of \$6.71 per million gallons.

The City Council passed an ordinance enabling the city to collect sewer use charges on every estate in the city discharging into the sewers thereof. The use charge based on the water consumption was set at one dollar per thousand cubic feet, with a minimum charge of twelve dollars. This assessment on all property holders including those with tax exempt properties will result in lessening the general real estate tax, as the burden of supporting the sewer system will fall fairly on all property owners.

During the year, a recent policy regarding separation of storm water and sewage was crystallized. A substantial part of the older sections of the city heretofore had to be served by combined sewers, and until recent developments occurred, separation of sewage was not considered practical because of the costly burden that would be placed upon property owners who would be forced to make costly plumbing changes in their buildings in order to separate sewage from storm water. However, with the abandonment of entire districts and the demolition of all buildings therein to make way for large redevelopment projects (for example, the West End Development) separate storm sewers were planned and constructed even if no outlet would be available until a later date. The results of this policy will be of

prime economic importance to the taxpayers of Boston at a future date, for at that time when the Metropolitan District Sewer intercepts the Boston Main Drainage, Boston's share in the capital costs of the Metropolitan District Commission sewerage system will be based upon quantity of sewage treated by the Metropolitan District Commission. It follows that separation, by reducing the quantity delivered to the treatment plant will reduce the assessment upon Boston.

A major break in the 10-foot 6-inch interceptor of the Boston Main Drainage System occurred September 9, 1961, in Mt. Vernon street, Dorchester, near the South-east Expressway. Because of the hydrostatic difficulties encountered it became necessary to recondition all existing pumps at the outlet, namely, the Calf Pasture Pumping Station. Engineers were engaged in planning the rebuilding of the damaged section. A contract was awarded for this work on February 19, 1962, in the amount of \$120,290, which was \$20,000 less than the consultants' estimate.

The construction of a twin, 30-inch diameter reinforced concrete siphon across the site for the new Prudential Center was completed.

WATER DIVISION

The Water Division is composed of three sections: Construction, Maintenance, and Revenue, and provides for the construction, replacement, maintenance, and repair of water mains, supply lines, meters, hydrants, and various appurtenances, meter reading; and assessing charges to consumers.

The Construction Section furnished the engineering and inspection force supervising the laying and relaying of 4.0 miles of water pipe at a cost of \$246,271.

The Maintenance Section is responsible for the operation and maintenance of the water distribution system comprising 1,039.5 miles of pipe, which includes 18.64 miles of high pressure fire service mains. The distributing system is made up of pipes ranging in size from 2 inches to 48 inches in diameter; gates, valves, hydrants, and other appurtenances. This section provides for the

repair of main pipes, service pipes, hydrants, and gates, and furnishes 24-hour emergency service. The maintenance force is augmented by contractors' personnel for excavating and backfilling trenches.

This section also operates a maintenance shop which comprises a machine shop, plumbing shop, and meter shop. This unit handles drilling services and machinery and assembly of all new corporation and tapping gates up to six inches. The repair shop also machines and repairs defective hydrants and gates. New meters are installed and old meters replaced, tested, or repaired.

During the year, the department instituted a policy of the installation of water meters in all public buildings as a conservation measure. The first year of a four-year survey of the city's water distribution system brought to light conditions which were quickly rectified and which will result in savings to the consumer, in future years. To date, 150 miles of mains have been surveyed. In the course of their investigation, the surveying firm found underground leaks through which the city was losing an estimated 2,442,000 gallons of water a day. In addition, the investigators discovered that defective meters were delivering approximately 1,153,000 gallons without charge to the user. By repairing these leaks and replacing the faulty meters there will be a saving of \$136,700 annually.

In the previous year, water service expenditures exceeded revenue by approximately \$500,000. To prevent a serious deficit in the water accounts it became imperative to postpone practically all planned improvements in our water system including relaying and relining water mains, purchase and replacement of meters, and plant improvements. It was apparent to all familiar with Metropolitan water rates that that agency had operated with an annual deficit since 1946 usually well over 4 million dollars. The only solution to this situation was a substantial increase in Metropolitan water rates to Boston, and other 29 cities and towns in the Metropolitan Water District. On January 26, 1961, the engineering firm of Camp, Dresser & McKee were engaged to make a study of the matter. Their report of March 9, 1961, estimated that the total

annual water costs for the next ten years, average in excess of ten million dollars, whereas, estimated revenue based on existing rates and charges would be less than 6.5 million dollars.

The Commissioner of Public Works with the approval of his Honor the Mayor, on June 27, 1961, acting under the provisions of Section 22, Chapter 27 of the Revised Ordinances of 1947, increased the rates and charges to be effective on all bills rendered after July 1, 1961. The new rates represent an over-all increase of approximately 50 percent above the existing rate. The previous increase in water rates was in 1953.

FISCAL

Total expenditures in 1961 for public works amounted to \$20,444,892.16 of which \$3,398,062.52 represents water assessments and \$1,341,282.79 represents sewer assessments paid to the Metropolitan District Commission. The water assessments were \$11,601.24 higher than 1960 and the sewer assessments were \$22,957.54 lower than the 1960 levy.

The departmental reorganization of 1960 is now bearing fruit. Success of Public Works is dependent on modern equipment operated by well-trained cooperative employees in all classifications. This goal is rapidly approaching attainment and we should be able to cope with all emergencies as they develop.

On a somber note, the break in the main sewer line, a structure constructed in 1879; and water main break in 1960, a water main constructed in 1956, clearly indicates that both of these vital services will have to be studied, examined, and be reconstructed within a decade. This study will be inaugurated early next year.

Public Works is but one facet of the over-all workings of the municipality. It is, however, a vital factor and we are now in a position to proceed to contribute our share to a new and more vibrant Boston.

Appended hereto is the report and statistical data of the Public Improvement Commission.

ANNUAL REPORT OF THE
PUBLIC IMPROVEMENT COMMISSION

BOSTON, January 2, 1962.

HON. JOHN F. COLLINS,
Mayor of Boston.

Through the Commissioner of Public Works.

DEAR MR. MAYOR:

In accordance with the provisions of Section 24, Chapter 3 of the Revised City Ordinances of 1947, the following report of the Public Improvement Commission for the year ending December 31, 1961, is respectfully submitted.

The Public Improvement Commission was established May 1, 1954, by the provisions of Section 57, Chapter 2 of the 1954 Ordinances. This Commission, consisting of the Commissioner of Public Works, the Commissioner of Real Property, and the Chairman of the Boston Traffic Commission, was assigned all of the powers and duties of the former Board of Street Commissioners, except:

- (a) Those relating to the storage and sale of inflammables, filling stations, and parking lots which were transferred to the Committee on Licenses in the Public Safety Commission;
- (b) Those relating to the planting and removal of trees in public ways, the use of public ways for any temporary obstruction in, under or over the same, the use of public ways for the storage and sale of merchandise, and the designating of coasting streets, which were transferred to the Commissioner of Public Works;
- (c) Those relating to the abatement of taxes which were transferred to the Real Property Department.

Functions of the Board of Street Commissioners transferred to this Commission include the authority to lay out, widen, relocate, alter, discontinue, or rename public highways, and to order the making of

specific repairs therein; to order the construction of sanitary sewers and storm drains; to take land by eminent domain for municipal purposes (except housing and off-street parking); to permit the opening of private ways for public travel; to levy assessments for street, sidewalk, and sewer betterments; and to issue permits for the location of wire-carrying poles, conduits, pipes, tracks and similar uses of the public ways.

STREET PROGRAM

During the period covered by this report, 110 highway improvements were ordered by the Public Improvement Commission, including the laying out of 11 new highways, the construction of 10 new sidewalks, the widening and relocation of 65 public ways, the making of specific repairs in 20 existing streets, the discontinuance of 3 streets, and revision of grade of 1 street.

LAYOUTS WITH CONSTRUCTION

The following streets were ordered laid out and constructed as Public Ways during the year 1961:

Buckingham street, Hyde Park, from Neponset Valley parkway to Readville street. Length, 432 feet; estimated cost \$10,627; estimated benefit, \$6,641.90.

Cambridge street, Charlestown, between Perkins street and Clinton place. Length, 306 feet; estimated cost, none; estimated benefit, none.

Jo-Anne terrace, Dorchester, from Adams street approximately 300 feet westerly. Length, 300 feet; estimated cost, \$6,843; estimated benefit, \$3,421.49.

Kiernan road, West Roxbury, from Veterans of Foreign Wars parkway approximately 540 feet northwesterly. Length 540 feet; estimated cost, \$11,783; estimated benefit, \$5,891.48.

Lodgehill road, Hyde Park, extended from Goff street to Beach street. Length, 537 feet; estimated cost, \$14,184; estimated benefit, \$12,441.67.

Manor street, Dorchester, from Rosselerin road to Westglow street. Length, 886 feet; estimated cost, \$24,087; estimated benefit, \$12,441.67.

Matignon road, Dorchester, from Train street to Manor street. Length, 170 feet; estimated cost, \$4,603; estimated benefit, \$6,528.51.

Merola park, Dorchester, from Cookson terrace to Crossman street. Length, 359 feet; estimated cost, \$13,057; estimated benefit, \$6,528.51.

Rowley street, Dorchester (formerly Rowe street), from Houghton street to Morrill street. Length, 192 feet; estimated cost, \$5,477; estimated benefit, \$2,738.49.

Rugdale road, Dorchester (formerly Ruggles place), from Washington street to Valley road. Length, 815 feet; estimated cost, \$25,000; estimated benefit, \$12,094.50.

Stanbro street, Hyde Park, extended from Meadowview road. Length, 254 feet; estimated cost, \$8,293; estimated benefit, \$3,866.88.

WIDENINGS AND RELOCATIONS

Allston street, Brighton, at the northeasterly, northwesterly, southeasterly and southwesterly corners of Kelton street.

Amory street, West Roxbury, at the northeasterly corner of School street; the southeasterly corner of Boylston street and the northwesterly side from Marbury terrace to Boylston street.

Arbutus street, Dorchester, at the southwest of Lucerne street.

Ashland street, Dorchester, at the southwesterly corner of Park street.

Babcock street, Brighton, at the southerly corners of Ashford street and Gardner street.

Babson street, Dorchester, from Norfolk street to Blue Hill avenue.

Balsam street, Dorchester, at the northwest corner of Lucerne street.

Bardwell street, West Roxbury, northeasterly corner of Ballard street and the southeasterly corner of South street.

Beach street, Dorchester, at the northeasterly and northwesterly corner of Park street.

Bellamy street, Brighton, at the northerly and southerly corners of Burton street.

Bellflower street, Dorchester, at the southwesterly corner of Dorchester avenue.

Blossom street, Boston Proper, over Allen street from Cambridge street to Charles street.

Boylston street, West Roxbury, at the southwesterly corner of Amory street.

Brainerd road, Brighton, at the northwesterly and southeasterly corners of Kelton street.

Burton street, Brighton, at northwesterly and southeasterly corners of Washington street.

Capen street, Dorchester, at the northwesterly and north-easterly corners of Fairmount street; the northeasterly and northwesterly corners of Fuller street.

Charlemont street, Dorchester, at the southwesterly corner of Delmont street and the northeasterly and northwesterly corners of Minot street.

Chelmsford street, Dorchester, at the northwesterly and southwesterly corners of Charlemont street.

Chiswick terrace, Brighton, at the northeasterly and northwesterly corners of Chiswick road.

Clayton street, Dorchester, at the northeasterly corner of Park street.

Codman Hill avenue, Dorchester, the northeasterly and southeasterly corners of Milton avenue.

Corey road, Brighton, at the northeasterly corners of Bellvista road and Washington street; the northwesterly corners of Bellvista road, Kelton street and Summit avenue; the southeasterly corners of Bellvista road and Kelton street; the southwesterly corners of Bellvista road and Summit avenue, and the southerly side from Washington street, approximately 322 feet northerly.

Dorset street, Dorchester, at the southeasterly corner of Dorchester avenue.

Delmont street, Dorchester, at the northeasterly and southwesterly corners of Adams street.

Doone avenue, Dorchester, at the southeasterly corner of Lorna road.

Ely road, Dorchester, at the northwesterly and southwesterly corners of Kenmore road.

Fairmount street, Dorchester, the southeasterly and southwesterly corners of Milton avenue.

Fawndale road, West Roxbury, at the northeasterly and southwesterly corners of Washington street.

Florence street, West Roxbury, at the northeasterly corners of Bexley road and Murray Hill road; the southeasterly and southwesterly corners of Hawthorne street, and the southerly side at a point approximately 100 feet west of Cummins highway.

Franconia street, Dorchester, at the southwesterly and northwesterly corners of Charlemont street.

Harvard street, Dorchester, at the southeasterly corner of Fabyan street.

Harvard street, Dorchester, at the southeasterly corner of Dorchester avenue.

Hunnewell avenue, Brighton, at the southeasterly and southwesterly corners of Burton street.

Jones avenue, Dorchester, at the southeasterly and north-easterly corners of Mascot street.

Kemp street, South Boston, at the northeasterly corner of Dorchester avenue.

Kenmore road, Dorchester, at the northeasterly and north-westerly corner of Minot street.

Knoll street, West Roxbury, at the northwesterly and southeasterly corners of Selwyn street.

Locust street, Dorchester, at the northeasterly corner of Dorchester avenue.

Lorna road, Dorchester, at the northeasterly and south-easterly corner of Lena terrace.

Lucerne street, Dorchester, at the northwesterly corner of Callender street, and the southwestery corners of Floyd street and Stratton street.

Mapes street, Dorchester, at the southeasterly and south-westerly corners of Park street.

Mascot street, Dorchester, at the northeasterly and north-westerly corners of Ballou avenue, and the northeasterly and southeasterly corners of Mountain avenue.

Meridian street, East Boston, at the easterly side approximately 100 feet south of Porter street.

Paxton street, Dorchester, at the northeasterly and south-easterly corners of Harvard street.

Rhoades street, Dorchester, at northeasterly corner of Morton street.

River street, Hyde Park, at the northeasterly corners of Reddy avenue, Rosa street, Arlington street, Metropolitan avenue, and Webster street; the northwesterly corners of Reddy avenue, Rosa street, Arlington street, Metropolitan avenue, Webster street, West street and Lexington avenue; the southeasterly corners of Arlington street and Walter street; the southwestery corners of Arlington street, Metropolitan avenue, West street and Walter street.

Rockville park, Roxbury, at the northeasterly corner of Warren street.

Rowe street, West Roxbury, at the northeasterly corners of Fowler street and Shanahan place and the southeasterly corners of Fowler street and Shanahan place.

Rundel park, Dorchester, at the southerly side from a point approximately 130 feet south of Ashmont street, approximately 135 feet southerly.

Scottfield road, Brighton, at the northeasterly and north-westerly corners of Kelton street.

St. Alphonsus street, Roxbury, at the northeasterly corners of Smith street and Horadan way.

Stanford street, Boston Proper, from Cambridge street to Lowell street.

Sturtevant street, Dorchester, at the southwesterly corner of Park street.

Sycamore street, West Roxbury, the southwesterly corners of Brookdale street, Prospect avenue and Ridge street, and the southeasterly corners of Florence street, Prospect avenue and Ridge street.

Theodore street, Dorchester, at the northeasterly corner of Morton street and the southwesterly corner of Middleton street.

Tiverton street, Dorchester, at the southeasterly and southwesterly corners of Lorna road.

Vinal street, Brighton, at the northeasterly corner of Allston street and the northerly corner of Woodstock avenue.

Washington street, Brighton, at the southeasterly corner of Shepard street.

Wilmington avenue, Dorchester, at the northeasterly, southeasterly, southwesterly and northwesterly corners of Milton avenue, and the southeasterly and northeasterly corners of Nevada street.

Winston road, Dorchester, at the northwesterly and southwesterly corners of Willowood street.

West street, Hyde Park, at the northeasterly corner of Central avenue, Elm street and Hyde Park avenue; the southeasterly corners of Central avenue and Hyde Park avenue; the southwesterly corner of Central avenue and the northwesterly corner of Elm street.

Westbourne terrace, Brighton, at the northeasterly and southwesterly corners of Corey road.

Westmount avenue, West Roxbury, at the northwesterly corner of La Grange street, and the northwesterly and southeasterly corners of Mt. Vernon street.

Woodstock avenue, Brighton, at the northeasterly corner of Bellvista road; the northwesterly corners of Bellvista road and Summit avenue and the southeasterly corners of Bellvista road and Summit avenue.

Wycliff avenue, West Roxbury, at the southerly corner of Baker street.

SPECIFIC REPAIRS

American Legion Highway, West Roxbury District, from Canterbury street to Mt. Hope street, consisting of the reduction in the width of the southeasterly sidewalk and alterations in the existing divisional island.

Amory street, West Roxbury District, from Boylston street to Green street consisting of the reduction in width of the existing sidewalks.

Annapolis street, Dorchester District, on the northeasterly side, consisting of increasing the width of the existing roadway and the installation of an artificial stone sidewalk.

Auckland street, Dorchester District, consisting of increasing the curb radii at the northeast corner of Doris street and the northeast corner of Elton street.

Central square, East Boston District, consisting of the installation of traffic divisional islands between Saratoga street and Liverpool street: increasing the curb radius at the southerly corner of Porter street, the northerly corner of Bennington street, and the southerly corner of Saratoga street.

Columbia road, Dorchester District, from Edward Everett square to Buttonwood street, consisting of the reduction in width of the existing sidewalks and the installation of a traffic divisional island.

Commonwealth avenue, Brighton District, consisting of the installation of a traffic divisional island at the northwest corner of Chestnut Hill avenue.

Dorchester avenue, South Boston and Dorchester Districts, from Andrew square to Columbia road, consisting of the reduction in width of the existing sidewalks.

Dow road, West Roxbury District, consisting of replacing 2 feet of artificial stone sidewalks with 2-foot loam spaces, from a point approximately 65 feet southeast of Cutter road approximately 750 feet northeasterly.

Hallam street, Dorchester District, at the southwest corner of Auckland street, consisting of increasing the curb radius.

Harvard street, Dorchester District, on the northerly side between Ripley road and Harvard avenue, consisting of increasing the curb radius.

Maverick square, East Boston District, consisting of the elimination of the existing traffic island at the intersection of Maverick street and Meridian street; the removal of the existing traffic island between Henry street and Winthrop street; and the installation of a traffic divisional island between Henry street and Maverick street.

Montgomery street, Boston Proper District, between Clarendon street and Tremont street, consisting of the reduction in width and alteration of the existing sidewalks, and the alteration of the existing divisional island.

Paxton street, Dorchester District, at the northwesterly and southwesterly corners of Blue Hill avenue, consisting of increasing the curb radii.

River street (Logan square), Hyde Park District, at Fairmount avenue, consisting of alterations in the proposed traffic islands.

Sydney street, Dorchester District, at the northeast corner of Savin Hill avenue, the southeast corner of Sudan street, and the northerly and southerly corners of Hartland street, consisting of increasing the curb radii.

Treadway road, Dorchester District, at the easterly and westerly corners of Savin Hill avenue, consisting of increasing the curb radii.

Rowe street, West Roxbury District, at the northeast corner of Brown avenue, consisting of increasing the curb radius.

Warren avenue, Boston Proper District, on the southerly side from a point approximately 125 feet southwest of Berkeley street to Clarendon street, consisting of the reduction in width of the existing sidewalk.

Washington street, Brighton District, from Cambridge street to the Brookline boundary line, consisting of increasing the curb radii at various locations.

GRADE REVISIONS

Cambridge street, Charlestown, between Haverhill street and Clinton street.

DISCONTINUANCES

Germania street, West Roxbury, from Brookside avenue to Bismarck street.

Main street, Charlestown, from Alford street to Gardner street.

Washington street, Dorchester, of slope easement on the southerly side from Wilder street approximately 325 feet northwesterly.

SIDEWALKS

In connection with recently enacted Chapter 245 of the Acts of 1958, the Public Improvement Commission ordered the installation of artificial stone sidewalks on the following streets:

Auckland street, Dorchester, on the westerly side, between Doris and Hallam streets.

Burroughs street, West Roxbury, from Centre street to Pond street.

Cedarwood road, West Roxbury, at the rear of numbers 28, 86, and 90 Mission Hill road.

Clarkwood street, Dorchester, from Norfolk street to Blue Hill avenue.

Gardner street, West Roxbury, on the southerly side, from Baker street to Spring street.

Harbor View street, Dorchester, on the southerly side adjacent to number 45.

Kenmore road, Dorchester, at Gallivan Boulevard and Minot street.

Knoll street, West Roxbury, on the northeasterly side, from Centre street to Hazelmere road.

Osceola street, Hyde Park, from River street to the Neponset River reservation.

Victoria street, Dorchester, various locations, from Dorchester avenue approximately 460 feet northwesterly.

EMINENT DOMAIN LAND TAKINGS

During the period of this report, land takings were made for municipal purposes as follows:

Library Department

1. The taking in fee of land at No. 23 Blagden street, Boston Proper district, for Library Department purposes, under an order of this Commission and Mayor dated June 16, 1961 (order of taking not recorded).

2. The taking in fee of land for Library Department purposes supposed to belong to person or persons unknown (known as Public Alley No. 447), Boston Proper district, under an order of the Commission and Mayor dated June 7, 1961, and recorded in the Suffolk Registry of Deeds on July 13, 1961.

Park Department

1. The taking in fee of land bounded by Fairview avenue, land of the City of Boston (Fairview Cemetery), St. Charles street, Atherton avenue, and Alvarado avenue, Hyde Park district, for cemetery purposes; under an order of the Commission and Mayor dated December 6, 1961 (order of taking not recorded).

SEWER PROGRAM

During the year 1961 the construction of 1.51 miles of sanitary sewer, 1.72 miles of storm sewer, 77 catch basins were ordered at a total estimated cost of \$251,213.

Estimated benefit to private property for the construction of the 1.51 miles of sanitary sewer amounted to \$56,477.56.

Sewerage works were ordered as follows:

Sewerage Works Ordered

STREET	Sanitary Sewer (Linear Feet)	Surface Drain (Linear Feet)	Catch Basins	Drop Inlets	Cost	Estimated Benefit
Boston Proper						
Blossom street.....	742	727	6	.....	\$29,470 00	None
Brighton						
Soldiers Field road.....	725	.....	.....	.....	10,931 00	None
Charlestown						
Russell street.....	.....	.....	1	.....	350 00	None
Dorchester						
Babson street.....	.....	905	6	.....	17,380 00	None
Crossman street.....	.....	598	.....	.....	6,852 00	None
East Cottage street.....	.....	.....	2	.....	700 00	None
Enterprise street.....	†80	.....	.....	.....	750 00	\$562 50
Rugdale road.....	†120	.....	7	.....	3,050 00	None
Hyde Park						
*Beachmont terrace.....	667	660	5	.....	15,066 00	\$5,609 56
*Coleman street.....	90	.....	.....	.....	1,377 00	1,032 75
*Collins street.....	305	334	2	.....	6,040 00	2,507 50
*Crane street.....	.....	236	2	.....	2,625 00	None
*Lawton terrace.....	.....	202	1	.....	1,485 00	None
*Raldne road.....	904	906	6	.....	22,603 00	\$7,654 00
*Sherrin street.....	700	710	5	.....	13,346 00	8,544 00
*Silvia court.....	317	308	3	.....	9,360 00	3,144 78
West Roxbury						
Ballard street.....	100	.....	.....	.....	4,650 00	None
Centre street.....	205	.....	.....	.....	8,070 00	None
*Crosstown avenue.....	.....	183	2	.....	1,600 00	None
*DeRoma road.....	.....	315	2	.....	3,010 00	None
Jamaica street.....	.....	.....	4	.....	1,400 00	None
Kiernan road.....	.....	283	.....	.....	4,090 00	None
La Grange street.....	80	.....	.....	.....	1,000 00	\$750 00
*Northdale road.....	.....	340	3	.....	6,138 00	None
*Oakmere road.....	.....	80	2	.....	2,047 00	None
*Organ Park street.....	130	136	2	.....	3,650 00	\$1,200 00
*Rockwood terrace.....	492	484	3	.....	8,532 00	5,571 72
*Westmoor Circle.....	100	118	.....	.....	1,540 00	711 00
*Westmoor road.....	1,707	1,039	9	.....	44,128 70	15,133 92
*Westmoor terrace.....	335	334	2	.....	5,907 00	2,210 23
*Willers street.....	200	190	2	.....	14,060 50	1,845 60

* Easements taken

LAND DAMAGES

On new street construction 167 claims were filed for damage to property resulting from land takings or changes in grades. On these claims, this Commission awarded damages in the amount of \$40,753.19.

ASSESSMENTS

During the year 1961, the Highway Division of the Public Works Department sent notice of completion of twenty-eight (28) streets at a total cost of \$414,412.66. On this work the Public Improvement Commission levied assessments in the amount of \$172,240.35.

During the same period the Sewer Division of the Public Works Department reported the completion of construction of sanitary sewerage in twelve (12) streets at a cost of \$55,452.65 on which the Public Improvement Commission levied assessments in the amount of \$30,336.37.

With the abolishment of sewer entrance fees by the Supreme Court in 1959, the Public Improvement Commission was empowered to assess parcels of land within a seasonable time after connections were made to sewers from estates that had never paid an assessment for the original improvement. The following is a list of streets in which connections were made:

STREET	District	Assessment
Arborfield road.....	Hyde Park and West Roxbury.....	\$265 20
Centre street	West Roxbury.....	109 34
Columbia road.....	Dorchester.....	170 40
Danny road (form. Damrell avenue).....	Hyde Park.....	200 00
Ellsworth street, etc.....	West Roxbury.....	75 00
Gallivan Boulevard.....	Dorchester.....	462 30
Glenellen road (parcel No. 30-218).....	West Roxbury.....	90 00
North avenue, etc.....	West Roxbury.....	337 50
Ransom road.....	Hyde Park.....	92 00
Stimson street.....	West Roxbury.....	90 00
Vanderbilt avenue.....	Hyde Park.....	61 50
Warren avenue.....	Hyde Park.....	251 00
Total.....		<hr/> \$2,294 24

STREET ASSESSMENTS

STREET	District	Cost	Assessment
Balina place.....	Dorchester.....	\$5,525 39	\$2,752 00
Birchland avenue.....	West Roxbury..	26,631 19	9,746 98
Birchland terrace.....	West Roxbury..	7,054 28	3,139 52
Braeburn road.....	Hyde Park.....	19,697 02	8,226 19
Bryant road.....	West Roxbury..	10,419 18	5,209 60
Enterprise street.....	Dorchester.....	9,158 20	826 02
Fairlane road.....	West Roxbury..	15,114 09	974 83
Florian street.....	West Roxbury..	21,928 00	8,716 51
Glenellen road.....	West Roxbury..	37,776 98	16,618 16
Hackensack terrace.....	West Roxbury..	12,272 00	5,877 00
Hallet-Davis street.....	Dorchester.....	6,565 46	2,440 50
Itasca street.....	Dorchester.....	31,192 00	9,920 42
Kingsland road.....	West Roxbury..	23,156 17	9,271 99
Kittredge court.....	West Roxbury..	4,999 37	2,499 64
Lawton street.....	Hyde Park.....	24,317 69	8,400 90
Linley terrace.....	South Boston...	3,300 86	1,650 43
Lorna road.....	Dorchester.....	25,420 61	13,643 52
Manor street.....	Dorchester.....	—	5,420 00
Matignon road.....	Dorchester.....	5,078 14	1,075 00
Merola park.....	Dorchester.....	14,580 27	6,528 51
Myopia road.....	Hyde Park.....	25,871 92	12,344 10
Oakorest road.....	Hyde Park.....	24,405 12	11,255 34
Patterson street.....	Dorchester.....	11,385 28	3,570 00
St. Clare road.....	Dorchester.....	6,214 67	3,107 34
Summer street.....	Hyde Park.....	22,564 00	10,113 72
Swift street.....	East Boston....	5,183 54	3,071 90
Swift terrace.....	East Boston....	7,926 78	3,194 73
Wilna court.....	West Roxbury..	6,674 45	2,744 50
Totals.....	.....	\$414,412 66	\$172,240 35

SEWER ASSESSMENTS

STREET	District	Cost	Assessment
Balina place	Dorchester	\$3,639 97	\$1,500 00
Belle avenue	West Roxbury ..	9,272 46	4,636 10
Caledonian avenue	West Roxbury ..	1,321 61	550 00
Coleman street	Hyde Park	921 87	691 48
Enterprise street	Dorchester	750 00	562 50
Gladstone street	East Boston	910 03	500 00
Goff street	Hyde Park	2,999 70	2,249 92
Jo-Anne terrace	Dorchester	2,308 44	1,731 36
Manor street	Dorchester	4,898 00	864 00
Salman street	West Roxbury ..	3,642 70	2,718 33
Soldiers Field place	Brighton	10,373 34	7,779 24
Violet street	Dorchester	14,414 53	6,553 44
Totals .....	.....	\$55,452 65	\$30,336 37

SIDEWALK ASSESSMENTS

STREET	District	Cost	Assessment
Carruth street	Dorchester	\$5,488 80	\$2,578 99
Cedarwood road	West Roxbury ..	561 06	280 52
Grove street	West Roxbury ..	1 379 60	689 80
Richmond street	Dorchester	3,042 00	1,521 03
River street	Hyde Park	2,765 55	1,396 50
Totals .....	.....	\$13,237 01	\$6,466 84

During the year 1961, the Highway Division of the Public Works Department sent notice of completion of sidewalks in five (5) streets at a total cost of \$13,237.01. On this the Public Improvement Commission levied assessments of \$6,466.84.

During the period of this report 137 petitions from public utilities were approved for the placing and maintaining of poles for the support of wires.

Also, 67 petitions were approved for miscellaneous installations or uses of the public highways of the City of Boston, as follows:

STREET	Petitioner	Nature of Petition
Addington road, West Roxbury	Boston Gas Company	Underground gas main
Amory street } Boylston street } Marbury terrace }	Roxbury and West Roxbury	Underground gas main
Alabama street, Dorchester	Boston Gas Company	Underground gas main
Ash street, Boston Proper	Boston Dispensary	Vault
Atkinson street, Roxbury	Boston Gas Company	Underground gas main
Burroughs street, West Roxbury	Boston Gas Company	Underground gas main
Badger road, Hyde Park	Worcester Gas Light Company	Underground gas main
Boylston street, Boston Proper	Boston Edison Company	Conduit
Broad street, Boston Proper	Katherine Ladd	Permanent marquee
Cambridge street, Boston Proper	Boston Edison Company	Conduit
Cedar Grove street } Hill Top street }	Dorchester	Underground gas main
Central street, Boston Proper	37 Central Street, Inc.	Permanent marquee
Centre street } Northdale road }	West Roxbury	Underground gas main
Chesterfield street, Hyde Park	Worcester Gas Light Company	Underground gas main
Chesterfield street, Hyde Park	Worcester Gas Light Company	Underground gas main
Child street, Hyde Park	Worcester Gas Light Company	Underground gas main
Commonwealth avenue, Boston Proper	Boston University	Concrete pile caps
Cerey street, West Roxbury	Boston Gas Company	Underground gas main
Danny road, Hyde Park	Worcester Gas Light Company	Underground gas main
Dent street, West Roxbury	Boston Gas Company	Underground gas main
Delmont street, Dorchester	Boston Edison Company	Pole
East Broadway, South Boston	First National Stores	Permanent marquee
East First street, South Boston	White Fuel Corporation	Permanent marquee
East First street, South Boston	White Fuel Corporation	Conduit
Edgemere road, West Roxbury	Boston Gas Company	Underground gas main
Edgemere road, West Roxbury	Boston Gas Company	Underground gas main
Everdean street, Dorchester	Boston Gas Company	Underground gas main
Faunce road, Dorchester	Boston Gas Company	Underground gas main
Fawndale road, West Roxbury	Boston Gas Company	Underground gas main
Fawndale road, West Roxbury	Boston Gas Company	Underground gas main
Freeman avenue } Grove street }	West Roxbury	Underground gas main

Garfield avenue, Hyde Park	Worcester Gas Light Company	Underground gas main
Glenciff road, West Roxbury	Boston Gas Company	Underground gas main
Glenellen road, West Roxbury	Boston Gas Company	Underground gas main
Harrison avenue, Boston Proper	Tufts University	Areaway
Hudson street, Boston Proper	Arthur T. Ming	Permanent marquee
Huntington avenue, Boston Proper	Boston Edison Company	Manholes
Huntington avenue, Boston Proper	The Church Realty Trust	Permanent marquee
Huntington avenue, Boston Proper	Boston Edison Company	Conduit
Hyde Park avenue } Dellmore road } West Roxbury	Boston Gas Company	Underground gas main
Johnson street } Johnson Street Ext. } West Roxbury	Boston Gas Company	Underground gas main
Johnson street } Johnson Street Ext. } West Roxbury	Boston Gas Company	Underground gas main
Knapp street, Boston Proper	Boston Edison Company	Conduit
Kneeland street, etc., Boston Proper	Boston Edison Company	Manholes and pipes
Kneeland street, etc., Boston Proper	Boston Edison Company	Manholes
L street to Kneeland street, Boston Proper and South Boston	Boston Edison Company	Fuel oil lines
Main street, Charlestown	Boston & Maine Railroad	Gates and signal lights
Marlin road, West Roxbury	Boston Gas Company	Underground gas main
Massachusetts avenue, Boston Proper	Boston Edison Company	Conduit
Newmarket square, Roxbury	Boston Gas Company	Underground gas main
North Beacon street } Highborn street } Brighton	Boston Gas Company	Underground gas main
North Beacon street, Brighton	Boston Gas Company	Underground gas main
Oak street } Hyde Park avenue } Hyde Park	Worcester Gas Light Company	Underground gas main
Public Alley No. 420, Boston Proper	New England Tel. & Tel. Company	Pole
Rockwood street, West Roxbury	Boston Gas Company	Underground gas main
Rosemont street, Hyde Park	Worcester Gas Light Company	Underground gas main
Ruskindale road, Hyde Park	Worcester Gas Light Company	Underground gas main
Selwyn street } Robken road } West Roxbury	Boston Gas Company	Underground gas main
South street, Boston Proper	Boston Edison Company	Conduit
Stuart street, Boston Proper	Boston Gas Company	Permanent marquee
Sycamore street } Hawthorne street } West Roxbury	Boston Gas Company	Underground gas main
Thompson street, Hyde Park	Worcester Gas Light Company	Underground gas main
University road, Boston Proper	Trustees of Boston University	Conduit
Washington street, Boston Proper	Boston Five Cents Savings Bank	Permanent marquee
West Broadway, South Boston	Boston Gas Company	Underground gas main
Westview street } Westview Street Ext. } West Roxbury	Boston Gas Company	Underground gas main
Whitcomb avenue, West Roxbury	Boston Gas Company	Underground gas main

PRIVATE WAYS

During the year 1961, permission was given to prepare for public travel the following private ways:

Beechmont terrace, Hyde Park, from Beech street approximately 606 feet northerly and northwesterly.

Chesterfield street, Hyde Park, from Manila avenue to Vallaro road.

Collins street, Hyde Park, from Bradlee street approximately 318 feet northeasterly.

Crane street, Hyde Park, from Bradlee street approximately 240 feet northeasterly.

Cromwell road, Hyde Park, from Huntington avenue approximately 263 feet westerly.

Crosstown avenue, West Roxbury, between Salman street and Vogel street.

Dellmore road, West Roxbury, from Hyde Park avenue to Brookway Footpath.

De Roma road, West Roxbury, from St. Theresa avenue approximately 310 feet southwestery.

Geraghty terrace, Hyde Park, from Wood avenue approximately 199 feet westerly.

Lawton terrace, Hyde Park, from Lawton street approximately 220 feet northeasterly.

Northdale terrace, West Roxbury, from Northdale road approximately 190 feet southwestery.

Raldne road, Hyde Park, from Stonehill road to Turtle Pond Parkway.

Rockwood terrace, West Roxbury, from Rockwood street approximately 480 feet easterly and southerly.

Sherrin street, Hyde Park, from Dale street approximately 725 feet southwestery.

Silvia court, Hyde Park, from Raldne road approximately 300 feet westerly.

Thompson street, Hyde Park, from a point approximately 683 feet southwest of Franklin street approximately 220 feet southwestery.

Westmoor road, West Roxbury, from Woodley avenue approximately 1,044 feet northeasterly.

Westmoor terrace, West Roxbury, from Westmoor road approximately 320 feet northwesterly.

Woodley avenue, West Roxbury, from DeSoto road approximately 1,460 feet northeasterly.

Wright street, Hyde Park, from Hawthorne street approximately 224 feet northeasterly.

During the same period, permission was given to open for public travel the following private ways:

Manor street, Dorchester, from Rosselerin road to approximately 50 feet beyond Matignon road.

Matignon road, Dorchester, between Manor street and Train street.

Sherrin street, Hyde Park, from Dale street approximately 725 feet southeasterly.

Soldiers Field place, Brighton, from Leo M. Birmingham Parkway approximately 820 feet southerly and easterly.

Westmoor circle, West Roxbury, from Westmoor road approximately 105 feet westerly.

Windham road, West Roxbury and Hyde Park, from Sherrin street to Dale street.

Windham road, Hyde Park, from Austin street to Sherrin street.

Sherrin street, Hyde Park, from Austin street to approximately 75 feet south of Windham road.

JAMES W. HALEY, *Chairman*,
THOMAS J. GRIFFIN,
JAMES J. SULLIVAN, JR.

APPENDIX A

TABLE I

CENTRAL OFFICE PERMIT BRANCH

CASH RECEIPTS

Signs	\$85,633 15	
Permits	47,346 60	
Sidewalk licenses	19,572 55	
Notifications to abutters	40 00	
Sewer inspection fees	11,025 00	
	<hr/>	
Total		\$163,617 30
Corporation permits	\$7,138 00	
Rents for city land	17,512 00	
	<hr/>	
Total		24,650 00
		<hr/>
Total — all permits		\$188,267 30

STREET OPENING ACCOUNT

Total deposits received	\$97,762 47
Total number of deposits	629

STREET OPENING ACCOUNT — SPECIAL

	Amount Committed	Payments Received
Boston Gas Company	\$246,336 48	\$141,843 23
Boston Edison Company	198,590 11	165,334 05
Worcester Gas Company	54,251 00	32,940 00
New England Telephone & Telegraph Com- pany	82,856 69	56,040 25
Quincy Market Company	1,599 00	1,599 00
Western Union Telegraph Company	107 60	42 00

PERMITS ISSUED

Signs	7,761
Occupation permits	3,461
Special permits	229
Sidewalk licenses	282
Sewer inspections	445
Utility permits	1,730
City permits — no fee	772
	<hr/>
Total permits issued	14,680

TABLE 2

STREET OPENING DEPOSIT ACCOUNT — UTILITIES

December 31, 1961

BOSTON EDISON COMPANY

Committed	\$198,590 11	Received	\$165,334 05
Collected	165,334 05	Expended	158,979 35
Balance Due	33,256 06	Balance on Hand	6,354 70

BOSTON GAS COMPANY

Committed	\$246,336 48	Received	\$141,843 23
Collected	141,843 23	Expended	106,891 21
Balance Due	104,493 25	Balance on Hand	34,952 02

NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY

Committed	\$82,856 69	Received	\$56,040 25
Collected	56,040 25	Expended	48,220 08
Balance Due	26,816 44	Balance on Hand	7,820 17

WORCESTER GAS LIGHT COMPANY

Committed	\$54,251 00	Received	\$32,940 00
Collected	32,940 00	Expended	32,483 33
Balance Due	21,311 00	Balance on Hand	456 67

QUINCY MARKET AND COLD STORAGE WAREHOUSE COMPANY

Committed	\$1,599 00	Received	\$1,599 00
Collected	1,599 00	Expended	None
Balance Due	None	Balance on Hand	1,599 00

WESTERN UNION TELEGRAPH COMPANY

Committed	\$107 60	Received	\$42 00
Collected	42 00	Expended	None
Balance Due	65 60	Balance on Hand	42 00

TABLE 3

AUTOMOTIVE SECTION

Automotive equipment as of December 30, 1961.

68	Passenger Cars
36	Pick-up Trucks $\frac{1}{2}$ to 1-ton
157	Dump trucks $1\frac{1}{2}$ to 15 ton
28	1-ton Utility Trucks
6	2 to 5 ton Trucks w/ G B G
5	7-man Cab Emergency Trucks
5	Platform Trucks
3	Wrecker Trucks
3	2-ton Derrick Trucks
12	Miscellaneous trucks
4	$\frac{3}{4}$ to $1\frac{1}{2}$ -ton Trucks with Compressors
14	Compressor Trailers
5	Flushers
8	Sidewalk and Road Rollers
32	Street Sweepers
24	Front Bucket Loaders
4	Tractor Shovels
3	Crawler Tractors
1	Road Grader
20	Snowfighting Trucks
2	Rear Bucket Loaders
1	Snow Loader
2	Cutter Vacuum Cleaners

TABLE 4

1961 EXPENDITURES

1 — Personal Services.....	\$541,383 08	
2 — Contractual Services.....	101,592 88	
Contracts.....	21,374 00	
3 — Supplies and Materials.....	228,398 60	
4 — Fees (Registration Fees)....	2,550 00	
5 — Equipment.....	83,323 00	
	<hr/>	\$978,621 56
Snow Removal.....	\$362,188 00	
Equipment Loan.....	683,525 00	

TABLE 5

New equipment purchased in 1961 from Public Works Department funds:

6	Worthington compressors.....	\$27,732
2	Ford F350 chassis and cabs...	4,500
1	Ford F850 derrick truck.....	10,601
10	Holmes wreckers.....	10,670
3	Tractor shovels.....	28,308
1	Steam cleaner.....	673
1	Arc welder.....	719
1	Battery charger.....	120

\$83,323

From Snow Removal funds:

3	Oshkosh 4-wheel drive trucks..	\$55,994
6	Hough front bucket loaders...	71,136
6	Ford F850 chassis and cabs...	30,162
6	16 Yard bodies.....	9,762
16	Ford F850 chassis and cabs...	74,269
16	4-Yard bodies.....	12,100
50	One-way snow plows.....	32,750
1	Ford C1100 Ford tractor.....	8,283
1	Low bed trailer.....	4,954

299,410

10	Power steering kits.....	\$3,090
1	Twin post lift.....	3,399
11	Wayne street sweepers.....	90,871
4	Ford C850 trucks.....	21,131
4	Netco catch basin cleaners....	27,275
2	Tandem rollers.....	9,016
6	Elgin street sweepers.....	52,800
1	Caterpillar tractor.....	25,097
3	Tanks for flusher trucks.....	14,010
8	Worthington compressors....	32,357
1	Ramp for trailer.....	460
1	Body for Gar Wood.....	200
20	Ford 1-ton pick-up trucks....	43,655
46	Falcon station wagons.....	96,017
9	Ford C950 chassis and cabs...	56,369
9	Refuse bodies.....	44,712
12	Ford C1100 chassis and cabs..	86,142
12	Plows.....	16,500
12	Sand spreaders.....	42,175
2	Industrial sweepers.....	7,994
2	25 HP loading machines.....	4,985
1	Rotary snow plow.....	4,280
3	Power Drives.....	990

683,525

Engineering Division—Appendix B**TABLE 6****Completed Surveys, Plans and Specifications for Works
in 1961****STREET RECONSTRUCTION**

22 miles, involving 142 streets, at an estimated
cost of \$1,400,000

CHAPTER 90 STREET RECONSTRUCTION

5.5 miles, involving 8 streets, at an estimated
cost of 793,000

CHAPTER 393 STREET CONSTRUCTION

0.8 miles, involving 11 streets, at an estimated
cost of 150,250

SEWERAGE WORKS

10 contracts, at an estimated cost of 297,000

WATER WORKS

7 contracts, at an estimated cost of 246,000

MISCELLANEOUS CONTRACTS involving bridge re-
pairs; minor building demolition; earth excava-
tion and refill in connection with water works
maintenance; maintenance repairs to sidewalks
and roadways; at a total estimated cost of . . .

310,600

GRAND TOTAL \$3,196,850

ENGINEERING DIVISION

TABLE 7

PLANNING AND PROGRAMMING
CHAPTER 90 PROJECTS

STREET	Limits	Length	Est. Cost
Centre street, West Roxbury	Grove street to Dedham Line	4,000	\$110,731
River street, Hyde Park	Wood avenue to Fairmount avenue	4,050	} 130,531
Fairmount avenue, Hyde Park	River street to Truman highway	1,400	
West street, Hyde Park	River street to Hyde Park avenue	1,500	
Bennington street, East Boston	Walley street to Revere line	2,320	252,000
Dorchester avenue, Dorchester	Andrew square to Columbia road	2,900	57,660
American Legion highway, West Roxbury	Blue Hill avenue to Cummins highway	1,1030	191,500
Park street, Dorchester	Adams street to Freeport street	1,996	50,665
Totals		29,196	\$793,987

The photographic service furnished by the Reproduction Unit includes photographing all locations of new highway layouts and other proposed improvements; lands taken for municipal purposes; progress of public works projects; snowstorm and other emergency conditions. Following is a summary of such work for the year 1961:

Department	Negatives	4 x 5 Prints	8 x 10 Prints
Public Works:			
Engineering Division.....	1,450	1,400	50
Central Office.....	600	.....	600
Highway Division.....	435	350	85
Sanitary Division.....	580	.....	580
Sewer Division.....	285	.....	285
Water Division.....	56	.....	56
Totals.....	3,406	1,750	1,656

TABLE 8
REPRODUCTION UNIT WORK PERFORMED

Department	Photostats	Blueprints	Ozalids	Auto Positives	Card Stock
Administrative Services.....	1,022	.....	1,096		
Assessing.....	1,034	.....	2,133	17	
Auditing.....	162				
Building.....	1,289	.....	1,861		
City Clerk.....	484	.....	589		
City Council.....	1,308	.....	668		
Civil Defense.....	86	.....	142		
Collecting.....	148	.....		24	
Election.....	166	.....	96		
Finance Commission.....	64				
Fire.....	306	.....	421		
Law.....	646	.....	117		
Mayor's Office.....	1,882	.....	672		
Park.....	176	.....	211		
Penal.....	290	.....	432		
Planning Board.....	1,528	.....	2,146		
Public Buildings.....	88	.....	96		
Public Works:					
Engineering Division.....	4,286	563	10,683	341	96
Central Office.....	1,148	.....	3,628		
Highway Division.....	284	.....	533		
Permit Division.....	436	.....	189		
Sanitary Division.....	194	.....	212		
Sewer Division.....	1,184	.....	529		
Street Lighting.....	176	.....	172		
Water Division.....	886	.....	869		
Real Property.....	1,488	.....	1,748		
Registry.....	1,244				
School Buildings.....	280	.....	151		
School Committee.....	32				
Traffic Commission.....	764	.....	1,483		
Treasury.....	194				
Veterans' Services.....	946				
White Fund.....	502	.....	278		
Totals.....	24,723	563	31,155	382	96

TABLE 9
Survey Section Work

SURVEYS AND PLANS FOR SPECIFIC REPAIRS AND WIDENINGS

<i>District</i>	<i>Length</i>
<i>in Feet</i>	
BOSTON PROPER	
Clarendon street	400
Eliot street	250
Huntington avenue	250
Montgomery street	400
Providence street	250
Stuart street	250
Tremont street	400
Warren avenue	400
BRIGHTON	
Commonwealth avenue	3,600
Oak square	1,000
Washington street	3,600
Winship street	1,400
DORCHESTER	
American Legion Highway	12,000
Ashmont street	7,200
Columbia road	1,400
Dorchester avenue	3,100
Harvard street	4,200
EAST BOSTON	
Kelly square	1,000
Maverick square	1,000
HYDE PARK	
Logan square	1,000
WEST ROXBURY	
Addington road	500
Amory street	3,100
Bellevue Hill road	500
Green street	3,200
La Grange street	13,500
Shaw street	500

TABLE 10

SIDEWALK ASSESSMENTS

<i>District</i>	<i>Length in Feet</i>
BRIGHTON	
Arlington street	150
DORCHESTER	
Harbor View street	200
Old Colony terrace	150
Victoria street	300
Woodhaven street	1,500
Kenmare road	200
EAST BOSTON	
Addison street	150
WEST ROXBURY	
Burnside avenue	600
Gardner street	700

TABLE 11

SURVEYS AND PLANS FOR MINIMUM PAVEMENTS

<i>District</i>	<i>Length in Feet</i>
BRIGHTON	
Soldiers Field place	600
DORCHESTER	
Jo-Anne terrace	300
HYDE PARK	
Crane street	300
Greenbrook road	650
Sherrin street	650
WEST ROXBURY	
Slocum road	300

TABLE 12

ACTIVITIES OF SURVEY SECTION

Plans and surveys were made for the laying out of 2.54 miles of public highways, as follows:

<i>District</i>	<i>Length in Feet</i>
BRIGHTON	
Soldiers Field place	400
DORCHESTER	
Baker court	300
Itasca street	870
Jo-Anne terrace	300
Manor street	450
Matignon road	200
Messinger street	500
Ransom road (Dorchester and Hyde Park)	400
Ruggles place	1,000
Rundel park	150
HYDE PARK	
American Legion highway (Hyde Park and West Roxbury)	4,000
Beech street	1,000
Buckingham street	400
Irving street	400
Lodgehill road	400
Maida terrace	200
Raleigh road	200
Ralston road	400
Stanbro street	200
SOUTH BOSTON	
Linley terrace	250
Webb park	180
WEST ROXBURY	
Centre terrace	250
Florian way	350
Kiernan road	600

Official grades, calculated and plotted, for laying-out plans were established for a total length of 9,700 feet (1.83 miles).

70 Land Court Plans were checked.

30 Surveys and reports were made on flooding conditions of streets.

TABLE 13
SURVEYS AND PLANS FOR HIGHWAY
RECONSTRUCTION.

One hundred twenty-three (123) surveys and plans for the reconstruction of highways were made as follows: (20 miles)

<i>District</i>	<i>Length in Feet</i>
BOSTON PROPER	
Avenue Louis Pasteur	1,330
BRIGHTON	
Foster street	619
Glenmont street	1,138
Trapelo street	759
Goodenough street	1,100
Regal street	388
Corinne road	570
Winship street	1,312
Wm. Jackson avenue	505
Brackett street	577
Bothwell street	646
Willoughby street	554
Montfern avenue	784
Barker street	194
Brooksdale road	485
Donnybrook road	959
Foster street	619
Glenmont road	1,138
Goodenough street	740
Hobart street	1,126
Ranelegh road	626
South Hobart street	1,351
Trapelo street	759
Willoughby street	554
Babcock street	917
Vinal street	350
Bellvista road	480
Woodstock avenue	455

TABLE 13

HIGHWAY RECONSTRUCTION (Continued)

<i>District</i>	<i>Length in Feet</i>
DORCHESTER	
Lorna road	820
Theodore street	630
Rhoades street	400
Middleton street	200
Wilmington avenue	350
Capen street	270
Westview street	1,250
Mascot street	1,440
Paxton street	250
Charlemont street	655
Delmont street	630
Kenmare road	290
Auckland street	650
Crescent avenue	948
Edison Green	1,340
Elton street	507
Hallam street	321
Harbor View street	1,104
Old Colony terrace	173
South Sydney street	332
Sydney street	3,000
Duke street	687
Hazleton street	2,258
Wilmore street	520
Greenfield road	2,000
Rugby road	560
Rundel park	150
Roach street	435
Doris street	566
Victoria street	780
Thornley street	785
Crossman street	710
Greendale road	800
Courtland road	1,000
Goodale road	920
Fabyan street	800
Boyd street	450
Hollingsworth street	1,510
Rector road	600
Rosewood street	1,500
EAST BOSTON	
Barnes avenue	523
Gladstone street	2,504

<i>District</i>	<i>Length in Feet</i>
St. Andrew road	2,060
Wordsworth street	557
Addison street	1,338
Beachview street	658
Faywood avenue	1,305
Moore street	778

WEST ROXBURY

Addington road	1,698
Tyndale street	1,946
Wellsmere road	1,584
Centre terrace	456
Crehore street	586
Guernsey street	1,494
Virgil road	329
Spring Valley road	380
Sidley road	396
Garnet road	1,166
Hawthorne street	450
Parklawn road	1,200
Burnside avenue	560
Wedgewood road	450
Montview street	655
Knoll street	1,522
Hathaway street	265
Brown avenue	620
Westmount avenue	690
Myrtle street	1,063
St. Ann street	345
Wycliff avenue	996
Burroughs street	850
Alameda road	462
Avalon road	847
Burwell road	390
Chellman street	698
Lasell street	681
Montclair avenue	1,833
Schirmer road	619
Westover street	1,252
Cornwall street	869
Glenham street	1,271
Fawndale road	468
Murray Hill road	782
Kenton road	839
Leshar street	356
Woodlawn street	1,070
Mosgrove avenue	337
Wenham street	1,200

<i>District</i>	<i>Length in Feet</i>
St. Joseph street	430
Atwill road	160
St. Theresa avenue	1,000
Granada avenue	400
Woodman street	200
Ballard street	569

TABLE 14

WIDENINGS AND RELOCATIONS

<i>District</i>	<i>Length in Feet</i>
BOSTON PROPER	
Staniford street	1,000
BRIGHTON	
Corey road	425
DORCHESTER	
Ashmont street	570
Babson street	3,000
Rundel park	2,000
HYDE PARK	
Maida terrace	240
WEST ROXBURY	
Amory street	600
DISCONTINUANCE	
BOSTON PROPER	
Sun court	200

TABLE 15

SEWER ASSESSMENT PLANS

<i>District</i>	<i>Length in Feet. (0.25 miles)</i>
HYDE PARK	
Collins street	300
WEST ROXBURY	
Pleasantview street	350
Rockwood street	525

PROFILES FOR HIGHWAY RECONSTRUCTION

<i>District</i>	<i>Length in Feet</i>
BOSTON PROPER	
Staniford street	1,000
BRIGHTON	
Corey road	425
Soldiers Field place	400
DORCHESTER	
Ashmont street	570
Babson street	3,000
Baker court	300
Itasca street	870
Jo-Anne terrace	300
Manor street	450
Matignon road	200
Messenger street	500
Ransom road	400
Ruggles place	1,000
Rundel park	150
HYDE PARK	
American Legion parkway	4,000
Beech street	1,000
Buckingham street	400
Irving street	400
Lodgehill road	400
Maida terrace	200
Raleigh road	200
Ralston road	400
Stanbro street	200
SOUTH BOSTON	
Linley terrace	250
Webb park	180
WEST ROXBURY	
Amory street	600
Centre terrace	250
Florian way	350
Kiernan road	600

TABLE 16

SURVEYS AND PLANS FOR SEWER EASEMENTS

<i>District</i>	<i>Length in Feet.</i>
BOSTON PROPER	
Worthington street, and St. Alphonsus street (private land)	500
DORCHESTER	
Gladeside terrace	150
Orlando street	800
HYDE PARK	
Geraghty terrace	200
Lawton terrace	240
Raldne road	920
Sylvia court	450
WEST ROXBURY	
Beech street	400
Braxton street	600
Centre lane	380
Crosstown avenue	200
Glenclyff road	400
Hebron street	540
Lawton terrace	240
Organ Park street	300
Starbird avenue	210
Westmoor road	1,600
Westmoor terrace	340
Willers street	400
Woodley avenue	1,800

TABLE 17

SERVICES FOR OTHER DEPARTMENTS

HOSPITAL DEPARTMENT

Long Island, topographical survey and plan.

Boston City Hospital, topographical survey and plan.

BOSTON FIRE DEPARTMENT

Three (3) topographical surveys and plans, Cambridge street, Boston Proper.

Green street, Boston Proper, topographical survey and plan.

SCHOOL BUILDINGS DEPARTMENT

Bolster street, Roxbury, topographical survey and plan.

Washington street, West Roxbury, topographical survey and plan.

PARK DEPARTMENT

Fairview Cemetery, West Roxbury, topographical survey and plan.

LAW DEPARTMENT

Plan made of Walnut street at Lorenzo street, Dorchester.

REAL PROPERTY DEPARTMENT

Plan and survey at Main and Alford streets, Charlestown.

BOSTON PUBLIC LIBRARY

Blagdon street, Boston Proper, topographical survey and plan.

Alley 447, Boston Proper, topographical survey and plan.

BUILDING DEPARTMENT

Traverse street, Boston Proper, survey and plan.

Alpine street, Roxbury, survey and plan.

240 plot plans checked for proper grades.

TABLE 18
CONTRACTS

CONTRACT	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Reconstruction of:				
Bardwell street .	2	623	\$6,935 00	2/02/61
Cedarwood road .	2	1,080	13,099 00	2/02/61
Florence street .	2&6	1,715	24,595 00	2/02/61
Goodway road .	2	603	9,510 00	2/02/61
Hillcroft road .	2	671	8,685 00	2/02/61
Johnson road .	2	1,534	23,834 00	2/02/61
Rowe street .	2&6	1,934	37,241 00	2/02/61
Sycamore street .	2	1,373	20,930 00	2/02/61
Wyvern street .	2	440	7,270 00	2/02/61
<hr/>				
			*\$152,099 00	
			**142,875 00	
Demolition of Bldg:				
650 Albany street	1		**\$2,345 00	3/22/61
Construction of:				
Balina place .	7	190	\$5,377 00	3/23/61
Birchland avenue	6	623	19,150 00	3/23/61
Birchland terrace	6	190	5,077 00	3/23/61
Braeburn road .	8	451	15,430 00	3/23/61
Kittredge court	6	225	4,590 00	3/23/61
Lawton street .	8	618	17,885 00	3/23/61
Linley terrace .	5	192	2,845 00	3/23/61
Manor street .	7	381	10,774 00	3/23/61
Matignon road .	7	175	4,130 00	3/23/61
Merola park .	7	168	7,550 00	3/23/61
<hr/>				
			*\$92,808 00	
			**92,521 00	

CONTRACT	District	Length (Feet)	*Estimated Cost. **Bid Price	Date of Bid Opening
Sewerage Works in:				
Coleman street	8	90-foot 10-inch sanitary		3/29/61
Pierpont road	6	87-foot 10-inch sanitary		3/29/61
Sherrin street	8	700-foot 10-inch sanitary & 667-foot 12-inch surface drain		3/29/61
			**\$13,300 00	
Water Works in:				
Albany street	1	100-foot pipe		4/12/61
American Legion highway	2	1 hydrant & gate		4/12/61
Canterbury street	2	set 2 hydrants & gates		4/12/61
Coleman street	8	90-foot pipe		4/12/61
Dellmore road	2	175-foot pipe		4/12/61
Fellows street	10	135-foot pipe		4/12/61
Harrison avenue	10	35-foot pipe		4/12/61
Northern avenue	5	80-foot pipe		4/12/61
Trilling way	5	355-foot pipe		4/12/61
			\$12,485 00	
Reconstruction of:				
Arbutus street	7	696	\$10,977 00	4/13/61
Baird street	7	500	7,947 00	4/13/61
Clarkwood street	7	1,000	13,137 00	4/13/61
Fairway street	7	408	6,434 00	4/13/61
Fremont street	7	746	9,202 00	4/13/61
Havelock street	7	610	9,002 00	4/13/61
Lorna road	7	789	15,202 00	4/13/61
Lucerne street	7	1,240	20,802 00	4/13/61
Milton avenue	7	787	14,453 00	4/13/61
Rhoades street	7	419	6,442 00	4/13/61
Theodore street	7	618	10,579 00	4/13/61
			<hr/>	
			*\$124,177 00	
			**117,315 00	

Water Works in:					
Allen street .	.	.	.	.	1 870-foot pipe
Blossom street .	.	.	.	.	1 820-foot pipe
Causeway street .	.	.	.	.	1 179-foot pipe
Charles street .	.	.	.	.	1 580-foot pipe
Lowell street .	.	.	.	.	1 620 foot pipe
Stanford street .	.	.	.	.	1 900-foot pipe
					**\$66,250 00
Earth excavation and refilling and other incidental work in					
Area 1 .	.	.	.	.	**\$43,320 00
Earth excavation and refilling and other incidental work in					
Area 2 .	.	.	.	.	**\$39,920 00
Earth excavation and refilling and other incidental work in					
Area 3 .	.	.	.	.	**\$52,820 00
Reconstruction of:					
Rutherford avenue .	.	.	.	.	\$6,604 00 **8,835 00
Reconstruction of:					
Babcock street .	.	.	.	.	908
Bellyvista road .	.	.	.	.	890
Boulevard terrace .	.	.	.	.	478
Burton street .	.	.	.	.	816
Chiswick road .	.	.	.	.	735
Commonwealth terrace .	.	.	.	.	440
Corey road .	.	.	.	.	830
Cummings road .	.	.	.	.	1,000
Fuller street .	.	.	.	.	126
Kelton street .	.	.	.	.	1,554
Vinal street .	.	.	.	.	369
Wallingford road .	.	.	.	.	450
Woodstock avenue .	.	.	.	.	964
					<hr/>
					*\$149,067 00
					**140,575 00

Parklawn road	6	952	7,231 00	7/13/61
St. Joseph street	2	415	2,218 00	7/13/61
St. Theresa avenue	6	1,100	7,343 00	7/13/61
Vista street	6	340	3,265 00	7/13/61
Westmount avenue	6	629	4,973 00	7/13/61
Woodman street	2	220	2,196 00	7/13/61
Wycliff avenue	6	996	9,604 00	7/13/61
			<u>\$76,186 00</u>	
			**\$67,659 00	
Water Works in:				
Beechmont terrace	8	610-foot pipe & 2 hydrants		8/9/61
Chesterfield street	8	840-foot pipe & 2 hydrants		8/9/61
Rockwood terrace	6	480-foot pipe & 2 hydrants		8/9/61
			**\$18,959 00	
Sewerage Works in:				
Beechmont terrace	8	667-foot 10-inch sanitary & 660-foot 12-inch surf. drain		8/9/61
† Chesterfield street	8	790-foot 10-inch sanitary & 788-foot 21-inch & 24-inch surf. drain		8/9/61
Crostown avenue	6	180-foot 10-inch sanitary, 183-foot 10-inch surf. drain & 2 C.B.'s.		8/9/61
Rockwood terrace	6	492-foot 10-inch sanitary, 484-foot 10-inch surf. drain & 3 C.B.'s.		8/9/61
			**\$41,459 00	

† Deleted from contract and readvertised

CONTRACT	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Reconstruction of:				
Ballard street .	2	569	\$2,420 00	8/16/61
Burroughs street .	2	1,503	20,385 00	8/16/61
Cornwall street .	2	334	4,055 00	8/16/61
Fawndale road .	2	468	4,684 00	8/16/61
Hadwin way .	2	263	1,441 00	8/16/61
Kenton road .	2	839	7,275 00	8/16/61
Leshor street .	2	356	3,975 00	8/16/61
Mosgrove avenue .	2	337	2,302 00	8/16/61
Murray Hill road .	2	782	6,894 00	8/16/61
St. Ann street .	2	345	2,152 00	8/16/61
Washington street .	2	520	4,303 00	8/16/61
Wenham street .	2	1,274	20,610 00	8/16/61
†Woodlawn street .	2	1,070	8,500 00	8/16/61
			<hr/>	
			*\$88,996 00	
			**\$81,261 00	
Sewerage Works in:				
Westmoor road .	6	1707-foot 10-inch & 12-inch sanitary & 1706-foot 12-inch 24-inch & 30-inch & surf. drain	8/23/61	
Willers street .	6	232-foot 10-inch & 12-inch sanitary	8/23/61	
Woodley avenue .	6	420-foot 30-inch & 42-inch surf. drain & 2 C.B.'s 1295-foot 10-inch sanitary, 1278-foot 18-inch & 30-inch surf. dr., 6 C.B.'s.	8/23/61	
			**\$92,500 00	
Reconstruction of:				
Beech street .	8	745	\$6,926 00	9/01/61
Cliffmont street .	8	1,140	9,343 00	9/01/61
Dana avenue .	8	305	2,921 00	9/01/61
Greenfield road .	8	2,181	19,076 00	9/01/61

† Deleted after bid

Hollingsworth street	8	1,810	9,245 00	9/01/61
Lockwood street	8	541	8,355 00	9/01/61
Oseola street	8	1,025	6,100 00	9/01/61
Rector road	8	672	6,405 00	9/01/61
Rockdale street	8	1,519	14,036 00	9/01/61
Rosewood street	8	1,524	6,572 00	9/01/61
Rugby road	8	554	5,040 00	9/01/61
Seminole street	8	961	6,587 00	9/01/61
			<u>*\$100,606 00</u>	
			** 95,308 00	
Reconstruction of:				
Courtland road	7	660	\$7,225 00	9/22/61
Duke street	7	687	5,250 00	9/22/61
Fabyan street	7	706	5,410 00	9/22/61
Frontenac street	7	487	4,419 00	9/22/61
Gilmer street	7	328	3,378 00	9/22/61
Goodale road	7	1,054	8,815 00	9/22/61
Greendale road	7	728	9,665 00	9/22/61
Hazleton street	7	2,215	25,848 00	9/22/61
Landor road	7	351	3,938 00	9/22/61
Livingstone street	7	492	5,015 00	9/22/61
Ormond street	7	1,868	16,320 00	9/22/61
Regis road	7	1,197	10,170 00	9/22/61
Wilmore street	7	552	4,890 00	9/22/61
Winston road	7	862	9,601 00	9/22/61
			<u>*\$119,944 00</u>	
			**\$99,825 00	
Sewerage Works in:				
Raldne road	8	904 feet 10 inches Sanitary, 906 feet 12 inches Surf. Dr. & 6 C.B's.		
Silvia court	8	317 feet 10 inches Sanitary & 308 feet 10 inches Surf. Dr.		
			**\$31,419 00	9/27/61

CONTRACT	District	Length	*Estimated Cost **Bid Price	Date of Bid Opening
Water Works in:				
Northdale road	6	220 feet pipe		9/27/61
Northdale terrace	6	185 feet pipe		9/27/61
Westmoor road	6	1,780 feet pipe		9/27/61
Westmoor circle	6	70 feet pipe		9/27/61
Willers street	6	200 feet pipe		9/27/61
Woodley avenue	6	2,170 feet pipe		9/27/61
Raldne road	8	970 feet pipe		9/27/61
Silvia court	8	350 feet pipe		9/27/61
West Boundary road	6 & 8	290 feet pipe & relocate one hydrant		
			**\$75,277 00	
Sewerage Works in:				
Ballard street	6	100 feet 30 inches Sanitary		
Centre street	8	205 feet 15 inches Sanitary		
Collins street	8	320 feet 10 inches Sanitary, 332 feet 12 inches Surf.		
		Dr. & 2 C.B's.		
La Grange street	6	80 feet 10 inches Sanitary		
Organ Park street	6	130 feet 10 inches Sanitary, 136 feet 10 inches Surf.		
		Dr. & 2 C.B's.		
			**\$22,667 00	10/06/61
Reconstruction of:				
Auckland street	3	650	\$8,452 00	10/06/61
Avenue Louis Pasteur	10	1,330	29,012 00	10/06/61
Carson street	3	540	3,655 00	10/06/61
Doris street	3	566	7,200 00	10/06/61
Edison Green	3	1,340	17,145 00	10/06/61
Elton street	3	507	3,740 00	10/06/61
Hallam street	3	321	3,046 00	10/06/61
Harbor View street	3	1,104	9,740 00	10/06/61
Old Colony terrace	3	173	1,812 00	10/06/61
Roach street	3	435	3,780 00	10/06/61
Rundel park	7	418	5,998 00	10/06/61

[illegible]

CONTRACT	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Bridge Repairs in: Summer Street Bridge over Reserved Channel	5	.	.\$7,730 00	11/07/61
Sewerage works in:				
Auckland street	3	390 foot 12 inch Surf. Dr.		11/08/61
Hallam street	3	278 foot 10 inch Surf. Dr.		11/08/61
Kieman road	6	283 foot 10 inch Surf. Dr. & 2 C.B's.		11/08/61
Treadway road	3	279 foot 10 inch Surf. Dr.	.\$15,675 00	11/08/61
Water Works in:				
Collins street	8	310 foot pipe set one (1) hydrant		11/08/61
DeRoma road	6	260 foot pipe set one (1) hydrant		11/08/61
Heath street	10	30 foot pipe set three (3) hydrants		
Organ Park street	8	320 foot pipe set one (1) hydrant	.\$12,480 00	11/08/61
Reconstruction of:				
Barker street	4	194	.\$1,435 00	11/10/61
Bothwell road	4	644	5,810 00	11/10/61
Brackett street	4	577	6,183 00	11/10/61
Brooksdale road	4	970	13,665 00	11/10/61
Corinne road	4	570	6,220 00	11/10/61
Donnybrook road	4	959	10,440 00	11/10/61
Foster street	4	619	6,695 00	11/10/61
Glenmont road	4	1,138	14,165 00	11/10/61
Goodenough street	4	1,336	15,850 00	11/10/61
Hobart street	4	1,126	10,735 00	11/10/61
Montfern avenue	4	777	9,338 00	11/10/61
Ranelegh road	4	626	3,655 00	11/10/61
Regal street	4	388	5,440 00	11/10/61
South Hobart street	4	1,052	10,815 00	11/10/61
Trapelo street	4	759	7,266 00	11/10/61

TABLE 19

HIGHWAY DIVISION

SUMMARY OF COST OF CONTRACT STREET RECONSTRUCTION WORK

Chapter 90 Projects:			
Paving work	\$796,930	73	
Bridge work	358,264	70	
			\$1,155,195 43
Chapter 393 streets constructed	\$427,832	30	
Streets reconstructed	560,376	65	
Awarded in 1961 — to be completed in 1962	634,845	90	1,623,054 85
Total			\$2,778,250 28

ITEM	QUANTITY		
Earth and services excavation	41,296	cubic yards	
Rock and wall excavation	1,323	cubic yards	
Bank gravel	33,461	tons	
Crushed stone for edgestone	1,817	tons	
Existing base removed	9,229	square yards	
Existing pavement removed	21,589	square yards	
New straight edgestone	18,283	lineal feet	
New circular edgestone	11,015	lineal feet	
New two-foot radius corners	360		
Existing edgestone reset or relocated	57,541	lineal feet	
Edgestone hauled to yard or disposed of	8,047	lineal feet	
Crushed stone for macadam base	11,592	tons	
OA asphalt	115,354	gallons	
Portland cement concrete base	2,113	cubic yards	
Portland cement backing up sidewalks	53	cubic yards	
Bituminous concrete base, roadway	21,392	tons	
Bituminous concrete top, roadway	17,939	tons	
Bituminous concrete base, sidewalks	90	tons	
Bituminous concrete top, sidewalks	240	tons	

APPROPRIATION	Total Credits	Expenditures	Balance Unexpended
Highway Division.....	\$4,987,978 99	\$4,956,956 82	\$31,022 17
Public Ways, construction of.....	4,791,958 81	1,747,341 89	3,044,616 92
Bridges, construction of.....	2,776,653 20	289,224 01	2,487,429 19
Snow removal.....	1,779,381 00	1,749,694 80	29,686 20

ITEM	QUANTITY
Sheet asphalt top	0
Artificial stone sidewalks	737,931 square feet
Artificial stone driveways	110,467 square feet
Loam spaces	220 square yards
Loam back of sidewalks	714 cubic yards
Covers reset	2,000
Catch basins and manholes rebuilt	151
Catch basins and drop inlet built	90
Street sign posts set or reset	326
Parking meters reset	12
Stone bounds	186
Total area of bituminous concrete pavement	245,634 square yards
Bituminous roadway repairs (temporary)	83,867 square yards
Bituminous sidewalk repairs (temporary)	18,060 square yards
Artificial stone sidewalk replaced	40,573 square feet
Permanent bituminous concrete roadway repaired	1,376 square yards
Brick sidewalk repaired	292 square yards
Debris removed from streets	111,258 cubic yards
Rubbish removed from litter baskets	22,919
Salt and sand spread	19,000 tons
Snow removal	50,982 cubic yards
Catch basins cleaned	2,580
Bituminous concrete sidewalk repaired (permanent)	435 square yards
New timbers and complete rebuilding of wood deck and timber substructure on Summer Street Bridge	
Painting the Tremont Street Bridge, Boston, painting the Summer Street Bridge, at B street	

TABLE 20
WATERBORNE TRAFFIC THROUGH DRAWBRIDGES, 1961

BRIDGE	Steamers	Tugs	Barges	Pleasure Craft	All Others	Total Vessels	Total Cargoes	Total Openings
Charlestown.....	0	0	0	0	0	0	0	0
Chelsea Street.....	498	4,156	1,224	0	243	6,121	949	2,721
Congress Street.....	0	8	0	25	12	45	0	30
Malden.....	3	459	380	664	23	1,529	172	1,689
McArdle.....	687	5,893	1,425	14	619	8,638	1,091	3,813
Northern Avenue.....	0	677	62	28	531	1,298	179	799
Summer Street (Fort Point Channel)...	0	8	0	4	6	18	0	10
Summer Street (Reserved Channel).....	0	138	82	475	2	697	42	614
Totals.....	1,188	11,339	3,173	1,210	1,436	18,346	2,433	9,676

TABLE 21
DETAILS OF EXPENDITURES ON TIDEWATER BRIDGES FOR THE
YEAR 1961

BRIDGE	Draw- tenders' Salaries	Mechanics' Wages	Material	Repair Bills	Supplies, Utilities, Etc.	Total
Charlestown.....	\$15,922 37	\$3,302 49	—	—	\$787 38	\$20,012 24
Chelsea Street.....	57,704 77	1,657 24	—	—	681 84	60,043 85
Congress Street.....	41,810 80	2,590 30	\$17 56	—	508 19	44,926 85
Malden.....	57,099 21	2,935 35	103 23	—	1,075 26	61,213 05
Andrew P. McArdle...	63,883 98	2,645 75	8 56	\$121 47	1,710 70	68,370 46
Northern Avenue.....	55,429 98	8,643 42	856 25	496 97	2,135 55	67,562 17
Summer Street (Fort Point Channel).....	41,515 16	13,680 18	935 80	—	1,078 62	57,209 76
Summer Street (L Street Reserved Channel)...	45,972 42	2,439 25	204 13	—	849 64	49,465 44
Totals.....	\$379,338 69	\$37,893 98	\$2,125 53	\$618 44	\$8,827 18	\$428,803 82

TABLE 22
DETAILS OF EXPENDITURES ON INLAND BRIDGES
1961
 (footbridges — stationary)

MONTH	Labor	Materials	Total
January.....	\$2,067 06	\$171 60	\$2,238 66
February.....	2,659 74	134 10	2,793 84
March.....	1,042 90	106 30	1,149 20
April.....	2,054 98	213 85	2,268 83
May.....	3,828 01	318 24	4,146 25
June.....	5,006 82	281 05	5,287 87
July.....	4,485 46	389 19	4,874 65
August.....	6,612 92	402 10	7,015 02
September.....	4,832 30	393 75	5,226 05
October.....	3,224 60	282 44	3,507 04
November.....	3,644 47	301 62	3,946 09
December.....	3,977 11	182 64	4,159 75
Totals.....	\$43,436 37	\$3,176 88	\$46,613 25

TABLE 23
STREET LIGHTING — 1961

During this year, 175 orders were issued to the Boston Edison Company for the installation of modern lighting units. These orders were issued in conjunction with our programs calling for modern lighting units on roadways to be reconstructed, correction of specific complaints, and general modernization of lighting units. These orders covered the installation of 1,325 modern units to replace obsolete types on both major streets and residential streets.

The orders issued covered the installation of modern lighting on 18.6 miles of residential streets and 12.6 miles of major streets.

INCANDESCENT LIGHTING PROJECTS — 1961

This year orders were issued for the installation of new units of 2,500 lumens and the replacement of old lighting units as follows:

	Single Units
Addington road, West Roxbury	9
Aldwin road, West Roxbury	1
Austin street, Hyde Park	5
Ashford street, Brighton	4
Anselm terrace, Brighton	4
Beech street, West Roxbury	20
Bellvista road, Brighton	4
Beach street, Dorchester	2
Bernard street, Dorchester	3
Barker street, Brighton	1
Blanche street, Dorchester	3
Bryant road, West Roxbury	2
Buchanan road, West Roxbury	1
Burley street, West Roxbury	2
Burton street, Brighton	7
Bothwell road, Brighton	5
Call street, West Roxbury	1
Chiswick road, Brighton	5
Charlemont street, Dorchester	5
Cedar street, Dorchester	5
Cliffmont street, West Roxbury	11
Coleman street, Hyde Park	2
Charles street, Hyde Park	2
Centre lane, West Roxbury	2

	Single Units
Cornwall street, West Roxbury	2
Crescent avenue, Dorchester	1
Courtland road, Dorchester	4
Centre street, West Roxbury	22
Commonwealth terrace, Brighton	2
Corey road, Brighton	2
Corinne road, Brighton	3
Dana avenue, Hyde Park	1
Dale street, West Roxbury	11
Delmont street, Dorchester	5
Donnybrook road, Brighton	8
Dyer street, Dorchester	1
Elm street, Dorchester	2
Everdean street, Dorchester	9
Everett street, Dorchester	4
Fairlane road, West Roxbury	1
Fawndale road, West Roxbury	4
Flint street, Dorchester	1
Florian street, West Roxbury	5
Fremont street, Dorchester	4
Foster street, Brighton	5
Frontenac street, Dorchester	2
Goodway road, West Roxbury	4
Glenellen road, West Roxbury	4
Glenrose road, Dorchester	4
Greendale road, Dorchester	4
Greenbrook street, Hyde Park	5
Grove street, West Roxbury	14
Goodenough street, Brighton	7
Glenham street, West Roxbury	1
Granada avenue, West Roxbury	3
Green Hill street, Dorchester	1
Hallet-Davis street, Dorchester	1
Harvest street, Dorchester	6
Hazleton street, Dorchester	10
Hollingsworth street, Dorchester	10
Hautevale street, West Roxbury	5
Holmfield avenue, Hyde Park	5
Hansford place, Roxbury	1
Hadwin way, West Roxbury	2
Harrison park, Dorchester	1
Itasca street, Dorchester	12
Johnswood road, West Roxbury	11
Jo-Anne terrace, Dorchester	2
Kingsland road, West Roxbury	4
Knoll street, West Roxbury	5
Kenmare road, Dorchester	2
Lexington avenue, Hyde Park	7

	Single Units
Lockwood street, Hyde Park	4
Leseur road, Hyde Park	1
Lamson street, East Boston	2
Leshner street, West Roxbury	3
Meyer street, West Roxbury	4
Myopia road, Hyde Park	5
Murray Hill road, West Roxbury	5
Mill street, Dorchester	7
Middleton street, Dorchester	5
Martinwood road, West Roxbury	2
Meyer court, West Roxbury	1
Moreland street, West Roxbury	2
Meshaka street, West Roxbury	1
Minot street, Dorchester	1
Mosgrove avenue, West Roxbury	3
Outlook road, Dorchester	1
Montfern avenue, Brighton	1
Ogden street, Dorchester	3
Osceola street, Hyde Park	5
Oakcrest road, Hyde Park	6
Parklawn road, West Roxbury	7
Prospect avenue, West Roxbury	6
Pelham terrace, Boston	1
Pelham street, Boston	2
Regis road, Dorchester	3
Rowe street, West Roxbury	11
Rosewood street, West Roxbury	13
Rugby road, Hyde Park	5
Rector road, Dorchester	5
Raneleigh road, Brighton	5
Speedway avenue, Brighton	2
Sycamore street, West Roxbury	7
Salman street, West Roxbury	7
Stimson street, West Roxbury	6
Savin Hill avenue, Dorchester	13
St. Marks road, Dorchester	5
South Hobart street, Brighton	8
Sefton street, Hyde Park	1
Sutton street, Dorchester	3
Stanbro street, Hyde Park	2
St. Andrew road, East Boston	1
Seminole street, Dorchester	3
Slocum road, West Roxbury	1
Train street, Dorchester	1
Trapelo street, Brighton	7
Victory road, Dorchester	2
Vinal street, Brighton	2
Vista street, West Roxbury	1

	Single Units
West Walnut park, West Roxbury	5
West street, Hyde Park	9
Woodbury street, Roxbury	1
Wallace park, West Roxbury	1
Wilmington avenue, Dorchester	2
Woolsey square, West Roxbury	2
Washington street, West Roxbury	3
Willoughby street, Brighton	3
Wyvern street, West Roxbury	6
West Selden street, Dorchester	18
Windham road, Hyde Park	10
Woodstock avenue, Brighton	4
Westmount avenue, West Roxbury	4
Wycliff avenue, West Roxbury	4

During this year, orders were issued for the installation of new units of 4,000 lumens and the replacement of old lighting units as follows:

	Single Units
Ashford street, Dorchester	2
Atkinson street, Roxbury	4
Austin street, Hyde Park	4
Beach street, Dorchester	5
Beech street, West Roxbury	8
Brackett street, Brighton	3
Corey street, West Roxbury	25
Coronado road, Hyde Park	2
Dana avenue, Hyde Park	1
Dale street, West Roxbury	1
E street, South Boston	10
Everdean street, Dorchester	1
Frontenac street, Dorchester	1
Gardner street, West Roxbury	2
Greenhill street, Dorchester	1
Grove street, West Roxbury	21
Glenmont road, Brighton	8
Hopewell road, Hyde Park	2
Harvard street, Dorchester	59
Hobart street, Brighton	8
Hollingsworth street, Dorchester	2
Magnolia street, Dorchester	2
Mill street, Dorchester	1
Montfern street, Brighton	4
Middleton street, Dorchester	1
Regis road, Dorchester	3
Savin Hill avenue, Dorchester	20
Seminole street, Dorchester	1

	Single Units
Sydney street, Dorchester	20
South Hobart street, Brighton	1
Townsend street, Roxbury	6
Wallingford road, Brighton	3
Wycliff avenue, West Roxbury	2

This year orders were issued for the installation of new units of 6,000 lumens and the replacement of old lighting units as follows:

	Single Units
Alexander street, Dorchester	1
Babcock street, Brighton	6
Baker street, West Roxbury	51
Bernard street, Hyde Park	3
Corey street, West Roxbury	4
Elm street, Dorchester	2
Everett street, Dorchester	1
Gardner street, West Roxbury	2
Harvard street, Dorchester	3
Hobart street, Brighton	2
Mill street, Dorchester	1
Townsend street, Roxbury	6

MERCURY VAPOR LIGHTING PROJECTS 1961

This year orders were issued on the following listed streets, main thoroughfares, and business areas for re-lighting with modern mercury vapor lighting of 20,000 lumens:

	Single Units
Adams street, Dorchester	6
American Legion Highway, West Roxbury	132
Avenue Louis Pasteur	9
Baker street, West Roxbury	2
Centre street, West Roxbury	29
Grove street, West Roxbury	2
St. Alphonsus street, Roxbury	12
Talbot avenue, Dorchester	15
Washington street, Dorchester	35
St. Ann street, West Roxbury	3
Washington street, West Roxbury	3

Twin
Units

St. Alphonsus street, Roxbury	3
Savin Hill avenue, Dorchester	11

TABLE 24
SANITARY DIVISION

EXPENDITURES IN 1961:

Payments to refuse collection contractors .	\$2,158,451 45
Payments for rental of Saugus land dump .	25,000 00

Total collection contract and dump rental payments	\$2,183,451 45
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Payroll Totals were as follows:

Administrative and general services . .	\$55,718 00
Collection Section:	
Collection supervision	268,011 00
Special cleaning (Dempster-Dumpster) (market and alleys)	250,153 00

Disposal Section:

Incinerator	\$388,510 55	
Dumps	74,547 31	463,057 86

Total payroll	\$1,036,939 86
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Overtime payrolls were as follows:

Collection Section:	
Supervision and special cleaning	\$19,740 77

Disposal Section:

Incinerator	\$52,912 08	
Dumps	6,053 92	58,966 00

Total overtime payrolls	\$78,706 77
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Total Sanitary Division payrolls	\$1,115,646 63
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Incinerator operation and maintenance costs (other than labor)	176,896 44
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Payments on other contracts	2,373 50
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Supplies and materials (other than incinerator)	9,982 56
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Miscellaneous (advertising)	6,026 40
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Grand total expenditure	\$3,494,376 98
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EQUIPMENT ACQUIRED:

Nine (9) Model C-950 chassiss and cabs	\$56,369 00
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Nine (9) Refuse bodies	44,712 00
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Seven (7) Falcon station wagons	14,609 00
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Two (2) Pickup trucks 1-ton	4,364 00
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\$120,054 00

DISTRICT	Contractor	Monthly Contract Price	Total Payments
1A Charlestown.....	Jeffries Disposal Corporation.....	\$5,500	\$16,500
1B North and West Ends...	Ward General Contracting Company...	12,200	36,600
1C Back Bay.....	Dooley Brothers, Inc.....	4,200	12,600
1D Stuart	James A. Freaney, Inc.....	2,940	8,820
1E South End.....	United Contracting Company, Inc., of Boston.....	6,550	19,650
2 Jamaica Plain.....	J. J. Moore Company, Inc.....	11,369	34,107
3 Dorchester (North)...	Dooley Brothers, Inc.....	24,630	73,890
4 Brighton.....	F. J. Cavaliere & Co., Inc.....	14,499	43,497
5 South Boston.....	J. F. Ryan, Inc.....	11,990	35,970
6 West Roxbury.....	Marinucci Brothers & Co., Inc.....	11,990	35,970
7 Dorchester (South)....	Dooley Brothers, Inc.....	27,430	82,290
8 Hyde Park.....	Dooley Brothers, Inc.....	6,690	20,070
9 East Boston.....	Jeffries Disposal Corporation.....	9,800	29,400
10A Elm Hill.....	W. J. Banfield Corporation.....	4,998	14,994
10B Dudley.....	Carriere Construction Company.....	7,500	22,500
10C Mission Hill.....	United Contracting Company, Inc., of Boston.....	7,300	21,900
10D Roxbury.....	James A. Freaney, Inc.....	7,460	22,380
First 3 Months Total..	.....	.....	\$531,138

TABLE 23
PAYMENTS TO REFUSE COLLECTION CONTRACTORS
 Last 9 Months—April 1 to December 31, Inclusive

District	Contractor	Weekly Contract Price	Total 39 Weeks Payments
1A Charlestown.....	Jeffries Disposal Corporation.....	\$949 x 25-974 x 1 week. 950 x 12-975 x 1 week	\$37,074 00
1B Downtown.....	James A. Freaney, Inc.....	3,140 x 38 weeks 1 day. 3,275 x 1 week.....	123,118 33
1C Uptown.....	United Contracting Company, Inc., of Boston.....	2,633 x 39 weeks 1 day.....	103,125 83
2 Jamaica Plain.....	Ryan, Coady Company.....	3,023 x 26 weeks 3,392 x 13 weeks.....	122,694 00
3 Dorchester (North)....	Dooley Brothers, Inc.....	5,538 x 26 weeks. 5,638 x 13 weeks.....	217,282 00
4 Brighton.....	J. F. Ryan, Inc.....	4,499 x 26 weeks 4,982 x 13 weeks 1 day.....	182,570 29
5 South Boston.....	Joseph Amara & Sons, Inc.....	1,597 x 26 weeks 1,598 x 13 weeks.....	62,296 00
6 West Roxbury.....	F. J. Cavaliere & Co., Inc.....	3,890 x 8 weeks 1 day..... 5,250 x 12-2/5 weeks. 4,240 x 17 weeks 4 days.....	175,550 00
7 Dorchester (South)....	Coleman Brothers Corporation.....	5,500 x 26 weeks 6,400 x 13 weeks.....	226,200 00
8 Hyde Park.....	Howard Disposal Corporation.....	1,849 x 26 weeks 2,049 x 13 weeks.....	74,711 00
9 East Boston.....	Jeffries Disposal Corporation.....	1,898 x 26 weeks 1,899 x 13 weeks.....	74,035 00
10A Parker Hill-Fens.....	Dooley Brothers, Inc.....	2,250 x 26 weeks 2,450 x 13 weeks.....	90,350 00
10B Roxbury.....	United Contracting Company, Inc., of Boston.....	3,513 x 26 weeks 3,613 x 13 weeks.....	138,307 00
*Downtown } 39 weeks 1 day total..... Uptown } Brighton }			\$1,627,313 45
Total.....			\$2,168,451 45

PAYMENTS FOR RENTAL OF DUMPS

Saugus.....	Dewey E. Daggett.....	First 3 months \$2,000 per month.....	\$6,000 00
Saugus.....	M. DeMattos Construction Company.....	Last 9 months \$2,000 per month x 7 months..... 2,250 per month x 1 month..... 2,750 per month x 1 month.....	19,000 00
		Total.....	<u>\$25,000 00</u>
	Total payments to refuse collection contractors and for hire of dump.....		\$2,183,451 45

10—Permanent employees	\$478,893 06	
12—Overtime	22,573 73	
		\$501,466 79
21—Communications	\$628 76	
22—Light, heat, power	90,751 65	
26—Repairs and maintenance of buildings and structures	17,716 97	
27—Repairs and servicing of equipment	19,506 31	
28—Transportation of persons	1,199 12	
29—Miscellaneous contractual services	5,771 68	
		\$135,574 49
32—Food supplies	\$10 80	
33—Heating supplies and materials	4,349 32	
34—Household supplies and materials	129 62	
36—Office supplies and materials	356 44	
39—Miscellaneous supplies and materials	22,049 02	
		\$26,895 20
49—Miscellaneous current charges and obligations	\$1,481 58	\$1,481 58
59—Miscellaneous equipment	\$355 66	355 66
7—Sewerage works revenue	\$150,116 10	150,116 10
Grand Total		\$815,889 82
Regular budget items		\$665,773 72
Sewerage works revenue		150,116 10
Total		\$815,889 82

TABLE 26
SUMMARY OF SEWER CONSTRUCTION FOR TWELVE MONTHS
ENDING DECEMBER 31, 1961

	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Miles</i>
City Proper.....	1,517	323.90	3,917	5,757.90	1.1
Roxbury.....					
South Boston.....					
East Boston.....			1,348	1,348	0.25
Charlestown.....					
Brighton.....		751.95	—	751.95	0.14
West Roxbury.....	5,240.20	916.40	2,639.30	8,795.90	1.62
Dorchester.....	2,526.72			2,546.72	0.48
Hyde Park.....	1,410.45	884.60		5,295.05	1.01
Totals.....	13,694.37	2,876.85	7,904.30	24,475.52	4.60

TABLE 27
SUMMARY OF SEWER CONSTRUCTION FOR FIVE YEARS PREVIOUS
TO JANUARY 1, 1962

	1957	1958	1959	1960	1961
	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>
Built by city by contract or day labor.....	17,133.24	8,269.26	20,464.64	6,408	13,694.37
Built by private parties.....	4,278.40	5,969.21	3,306.02	735	2,876.85
Shared by city and government.....					7,904.30
Totals.....	21,411.64	14,238.48	23,770.66	7,143	24,475.52

CATCH BASINS CONSTRUCTED:

Constructed during the year	114
Abandoned during the year	30
Net addition during the year	84
Existing 1960	25,106
Total 1961	25,190

CONSTRUCTION COSTS:

Cost of sewerage works under contract 1961	\$222,055 93
Price bid for sewerage works under contract 1961	\$305,148 70

MAINTENANCE:

Complaints received and investigated	2,011
Catch basins freed and/or repaired	1,640
Sewer breaks repaired	129
Sewers cleaned	17.4 miles
House drains constructed	445
House drains repaired	126
Municipal liens reported to collector	5,122
Sewage pumped 1961	35,332 M.D.C.
Sewage pumped average flow	96.8 M.D.C.
Pumping cost	\$6.65 per M.D.C.

EXPENDITURES:

Construction	\$222,055.93
Maintenance	815,889 82
Total	\$1,037,945 75

1,996 complaints were investigated and remedied where the Sewer Division had jurisdiction.

1,763 catch basins were freed and repaired.

17.4 miles of sewers were cleaned.

453 house drains were constructed by licensed drainlayers, and 126 repairs under supervision of maintenance inspectors of the Sewer Division.

32 broken sewers were repaired by departmental forces, embracing 650 linear feet.

11 broken sewers were repaired by contract forces, embracing 168 linear feet.

TABLE 28
TOTAL LENGTH OF SEWERS

DISTRICT	Total Lengths Built During Twelve Months Ending December 31, 1961	Lengths Removed or Abandoned During Twelve Months Ending December 31, 1961	Additional Lengths for the Twelve Months Ending December 31, 1961	
	Linear Feet	Linear Feet	Linear Feet	Miles
City Proper.....	5,757.90	6,047	5,757.90	1.1
Roxbury.....				
South Boston.....				
East Boston.....	1,348.00		1,348.00	0.25
Charlestown.....				
Brighton.....	751.95		751.95	0.14
West Roxbury.....	8,795.90		8,795.40	1.62
Dorchester.....	2,526.72		2,526.72	0.48
Hyde Park.....	5,295.05		5,295.05	1.01
Totals.....	24,475.52	6,047	24,475.52	4.60

	Miles
Common sewers and surface drains built previous to January 1, 1961	1,303.36
Common sewers and surface drains built between January 1 and December 31, 1961	4.60
Common sewers and surface drains built ending December 31, 1961	1,307.96
Abandoned sewers ending December 31, 1961	1.14
	1,306.82
City of Boston intercepting sewers connecting with Metropolitan sewers to December 31, 1961	6.81
City of Boston main drainage intercepting sewers to December 31, 1961	24.12
Grand total of common and intercepting sewers to December 31, 1961	1,337.75
Total mileage of streets containing sewerage works to January 1, 1962	720.78

TABLE 29
CATCH BASINS IN CHARGE OF SEWER DIVISION

Districts	Catch Basins for Twelve Months Ending December 31, 1961			Total for Whole City in Charge of Sewer Division	
	Number Built or Rebuilt	Number Abandoned or Removed	Net Increase	Previous Report thru December 31, 1960	Previous Report thru December 31, 1961
ty Proper.....	22	30	0	3,801	3,793
oxbury.....	0	0	0	3,560	3,560
outh Boston.....	0	0	0	1,521	1,521
ast Boston.....	6	0	0	1,231	1,237
arlestown.....	0	0	0	871	871
ighton.....	0	0	0	2,154	2,154
est Roxbury.....	43	0	0	4,696	4,739
orchester.....	31	0	0	5,757	5,788
de Park.....	12	0	0	1,515	1,527
Totals.....	114	30	84	25,106	25,190

**CALF PASTURE PUMPING STATION
FOR YEAR 1961**

Total annual sewage flow	35,332.0 M. O. R.
Average daily sewage flow	96.8 M. O. R.
Pumping cost per million gallons	\$6.65 per M. D. C.

ANNUAL TOTAL OPERATING COSTS, 1961

Labor	\$123,932 39
Edison Power	73,673 83
Fuel Oil No. 3	2,714 39
Bottled Gas	121 20
Supplies	5,397 81
Miscellaneous Oil	61 07
Service Orders	5,699 48
Contract Services	22,626 00
Telephones	384 00
Total	\$234,610 17

TABLE 30
WATER DIVISION

Areas in which main pipe was laid or relaid is subdivided by districts, as follows:

<i>Area No. 1</i>	<i>Extension Linear Feet</i>	<i>Relaid Linear Feet</i>
City Proper	6,185.5	0.0
Roxbury	260.0	0.0
East Boston	100.0	0.0
Charlestown	0.0	0.0
<i>Area No. 2</i>		
West Roxbury	1,904.0	0.0
Hyde Park	2,453.0	1,193.0
Brighton	0.0	0.0
<i>Area No. 3</i>		
Dorchester	1,107.0	4,027.0
South Boston	436.0	0.0
	<u>12,445.5</u>	<u>5,222.0</u>

During the year 6.64 miles of main pipe were abandoned.

METROPOLITAN CHARGES TO BOSTON FOR WATER

	Consumption in Million Gallons	Charge at \$80 per Million Gallons	Proportion for Computing Share of Debt
1961.....	42,575,779	\$3,398,062 32	.533538
1960.....	42,330,766	3,386,461 28	.537140
1959.....	40,491,388	3,239,311 04	.540506
1958.....	41,028,346	3,282,267 68	.527770
1957.....	41,604,006	3,328,320 48	.562101

TABLE 31
COST OF REPLACEMENT OF MAIN PIPE, 1961

Area	District	Street	Size	Length	Contract Labor	Pipe Stock	Total Cost	Contractor
2	8	Neponset avenue.....	6 W 8	538	\$2,067 50	\$1,889 20	\$3,956 70	R. A. Buccella & Sons
2	8	Readville street.....	6 W 12	655	3,230 57	4,345 00	7,575 57	R. A. Buccella & Sons
3	3	Edison Green.....	6 W 8	1,362	4,404 20	5,074 30	9,478 50	R. A. Buccella & Sons
3	3	Elton street.....	6 W 8	556	2,026 20	2,671 80	4,698 00	R. A. Buccella & Sons
3	3	Hazleton street.....	6 W 8	554	2,352 13	2,851 50	5,203 63	R. A. Buccella & Sons
3	3	Mt. Vernon street.....	6 W 12	1,185	6,056 26	8,921 00	14,977 26	R. A. Buccella & Sons
3	3	Treadway road.....	6 W 8	360	2,062 96	1,805 20	3,868 16	R. A. Buccella & Sons
		Total.....	.....	5,210	\$22,199 82	\$27,558 00	\$49,757 82	

TABLE 32

TOTAL NUMBER OF HYDRANTS IN SYSTEM, DECEMBER 31, 1961

HYDRANTS	Lowry	Boston Lowry	Boston Post	Ordinary Post	Batchelder and Finneran Post	Ludlow Post	Chapman Post	Darling Post	Matthews Post	Boston Hydrant	Mueller Post	A. P. Smith Post	Total
Public, December 31, 1960.....	423	240	2,027	1,913	6,791	2	—	13	—	67	62	115	11,653
Private, December 31, 1960.....	33	5	29	126	17	13	56	—	4	111	—	—	394
Added during 1961.....	—	—	—	—	—	—	—	1	—	—	85	9	95
Abandoned during 1961.....	12	—	90	2	10	—	—	—	—	—	—	—	114
Total Public, December 31, 1961..	411	240	1,937	1,911	6,781	2	—	14	—	67	147	124	11,634
Total Private, December 31, 1961..	33	5	29	126	17	13	56	—	4	111	—	—	394

Total hydrants in service, December 31, 1960	12,047
Total hydrants added during 1961	95
Total hydrants abandoned during 1961	114
Total hydrants in service, December 31, 1961	12,028
High pressure fire hydrants in service 1961	468
Total hydrants (all kinds) in service, December 31, 1961	12,496

TABLE 33
COST OF EXTENSION OF MAIN PIPE, 1961

Area	Dist.	Street	Size	Length	Contract Labor	Pipe Stock	Total Cost	CONTRACTOR
1	1	Albany street.....	12	100	\$2,898 50	\$1,397 90	\$4,296 40	Charles and Louis Const. Co.
1	1	Allen street.....	12	860	6,507 60	5,693 00	12,200 60	A. Singarella & Son, Inc.
1	9	Bennington street bridge.....	12	100	.....	.....	.....	.....
1	1	Blossom street.....	12	838.5	6,428 80	5,447 00	11,875 80	A Singarella & Son, Inc.
1	1	Cambridge street.....	12	285	3,411 33	2,395 55	5,806 88	A. Singarella & Son, Inc.
1	1	Causeway street.....	12	179	1,650 90	1,363 90	3,014 80	A. Singarella & Son, Inc.
1	1	Charles street.....	12	619	4,711 55	4,341 00	9,052 55	A. Singarella & Son, Inc.
1	10	Fellows street.....	8	132	620 20	648 80	1,269 00	Charles and Louis Const. Co.
1	10	Harrison avenue.....	6	28	201 20	180 00	381 20	Charles and Louis Const. Co.
1	1	Lowell street extension.....	16	659	5,288 10	7,066 50	12,354 60	A. Singarella & Son, Inc.
1	1	Stanford street.....	12	487	4,040 70	3,699 55	7,740 25	A. Singarella & Son, Inc.
2	2	American Legion Highway.....	6	6	73 60	288 00	361 60	Charles and Louis Const. Co.
2	6	Belle avenue.....	8	612	849 73	2,642 00	3,491 73	Anthony Musto
2	2	Canterbury street.....	6	24	289 40	695 20	984 60	Charles and Louis Const. Co.
2	8	Chesterfield street.....	8	795	3,649 45	654 65	4,304 10	Charles and Louis Const. Co.
2	6	Centre street at Pleasantdale rd.	8	48	.....	325 00	325 00	S. Ray Co.

TABLE 33—Concluded
COST OF EXTENSION OF MAIN PIPE, 1961

Area	Dist.	Street	Size	Length	Contract Labor	Pipe Stock	Total Cost	CONTRACTOR
2	8	Coleman street.....	8	96	\$552 60	\$337 40	\$890 00	Charles and Louis Const. Co.
2	8	Collins street.....	8	311	1,683 90	1,657 20	3,341 10	R. A. Buccella & Son, Inc.
2	8	Crane street.....	8	248	.....	1,058 00	1,058 00	Merola & Son
2	2	Dellmore road.....	6	169	625 30	398 70	1,024 00	Charles and Louis Const. Co.
2	6	DeRoma road.....	8	253	1,578 10	1,600 00	3,178 10	R. A. Buccella & Son, Inc.
1	10	Heath street.....	6	53.5	889 50	1,210 00	2,099 50	R. A. Buccella & Son, Inc.
2	8	Lawton terrace.....	6	170	770 64	460 95	1,231 59	R. A. Buccella & Son, Inc.
2	8	Organ Park street.....	8	304	1,588 85	1,877 85	3,466 70	J. Capone & Son, Inc.
2	6	Northdale road.....	8	179	1,191 88	1,142 50	2,334 38	W. Capone & Son, Inc.
2	6	Northdale terrace.....	4	195	1,338 88	389 00	1,727 88	Charles and Louis Const. Co.
2	2	Rockwood street.....	8	465	3,183 80	3,667 00	6,850 80	De Roma Bros.
2	6	Crosstown avenue.....	8	100	.....	.....	.....	Charles and Louis Const. Co.
3	5	Trilling Way.....	8	367	2,209 70	1,885 40	4,095 10	Mystic Const. Co.
3	7	Violet street.....	8	695	3,944 28	3,273 30	7,217 58	R. A. Buccella & Son, Inc.
3	7	Itasca street.....	8	233	2,573 61	851 20	3,424 81	T. A. Buccella & Son, Inc.
3	7	Westview street extension.....	8	179	516 63	1,244 30	1,760 93	
		Total.....	.....	9,790 ft.	\$63,268 63	\$56,507 85	\$119,776 48	

Showing Length of Water Pipes and Connections Owned and Operated by Public Works Department, Water Division, Water Services, and Number of Valves in Same, December 31, 1961

DIAMETER OF PIPE IN INCHES

	48	42	40	36	30	24	20	16	12	10	8	6	4	3	2	Total
Length owned and operated December 31, 1960.....	56,285	16,191	8,809	20,238	75,205	89,675	108,193	380,416	1,863,702	446,984	1,398,378	910,298	62,624	11,904	6,311	5,467,213
Gate valves in same.....	26	4	5	31	50	78	72	791	5,307	1,570	5,058	3,033	550	18	18	16,611
Air valves in same.....	60	5	10	35	113	85	53	105	65	1	5	.....	.....	1	.....	538
Blowoffs in same.....	11	5	6	11	33	37	52	77	166	40	203	141	.....	9	.....	791
High pressure fire service.....							20,140	46,511	31,756							98,407
Lengths laid and relaid during 1961.....								659	7,567		8,518	423	264			17,431
Gate valves in same.....	1							1	14		35	1	1			52
Air valves in same.....																
Blowoffs in same.....																
Lengths abandoned in 1961.....								1,103	4,700	1,350	2,630	9,596	290			19,669
Gates abandoned in 1961.....								3	28	5	14	29				79
Air valves abandoned in 1961.....																
Blowoffs abandoned in 1961.....																
Lengths owned and operated, including high pressure fire service, December 31, 1961.....	56,285	16,191	8,809	30,238	75,205	89,675	108,193	379,972	1,808,569	445,634	1,404,266	901,125	62,598	11,904	6,311	5,464,975
Gate valves in same.....	26	4	5	31	50	78	72	789	5,293	1,565	5,079	3,005	551	18	18	16,584
Air valves in same.....	60	5	10	35	113	85	53	105	65	1	5	.....	.....	1	.....	538
Blowoffs in same.....	11	5	6	11	33	37	52	77	166	40	203	141	.....	9	.....	791
High pressure fire service.....							20,140	46,433	31,756							98,379

1,035.03 miles in distribution system, including high pressure fire service.
18.63 miles in high pressure fire service.

TABLE 35
SCHEDULE OF BONDED DEBT DECEMBER 31, 1961
PUBLIC WAYS, CONSTRUCTION OF OUTSIDE DEBT LIMIT

Rate	Issued	Due	Amount
1½.....	1952	4-1-62	\$100,000
2.....	1952	10-1-62	200,000
2¼.....	1953	10-1-63	400,000
1½.....	1954	10-1-69	600,000
2¼.....	1955	4-1-65	800,000
3.....	1956	11-1-62-65	500,000
3.....	1957	5-1-67	600,000
5.....	1957	10-1-67	300,000
5.....	1958	10-1-68	700,000
4.....	1959	11-1-69	1,200,000
3½.....	1960	11-1-70	1,800,000
3.....	1961	11-1-71	1,500,000
			<u>\$8,700,000</u>

TABLE 36
SCHEDULE OF BONDED DEBT DECEMBER 31, 1961
 BRIDGES, CONSTRUCTION OF
 INSIDE DEBT LIMIT

Rate	Issued	Due	Amount
1 $\frac{3}{4}$	1942	12-1-62	\$12,000
1 $\frac{1}{2}$	1943	11-1-63	14,000
1 $\frac{1}{4}$	1945	12-1-65	34,000
			<u>\$60,000</u>

OUTSIDE DEBT LIMIT

2.....	1952	4-1-72	\$275,000
2 $\frac{1}{2}$	1952	10-1-72	155,000
2 $\frac{3}{4}$	1953	4-1-73	340,000
2 $\frac{1}{4}$	1954	4-1-74	900,000
2.....	1955	4-1-75	350,000
2 $\frac{1}{2}$	1955	10-1-75	350,000
3.....	1956	11-1-76	580,000
3 $\frac{1}{2}$	1957	5-1-77	160,000
3 $\frac{1}{2}$	1957	10-1-77	400,000
3 $\frac{3}{4}$	1959	11-1-79	450,000
			<u>\$3,960,000</u>

BRIDGES, RECONSTRUCTION AND REPAIR
 INSIDE DEBT LIMIT

1 $\frac{3}{4}$	1950	6-1-70	\$185,000
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TABLE 37
SCHEDULE OF BONDED DEBT, DECEMBER. 31, 1961
SEWERAGE WORKS
INSIDE DEBT LIMIT

Rate	Issued	Due	Amount
3 $\frac{1}{4}$	1934	11-1-64	\$75,000
3.....	1937	9-1-67	24,000
2 $\frac{3}{4}$	1937	12-1-67	30,000
2 $\frac{3}{4}$	1938	6-1-68	112,000
1 $\frac{3}{4}$	1939	8-1-69	32,000
1 $\frac{3}{4}$	1940	7-15-70	22,000
2.....	1941	12-15-71	60,000
2.....	1942	12-1-72	110,000
1 $\frac{1}{2}$	1943	12-1-73	120,000
1 $\frac{1}{4}$	1944	8-1-74	81,000
1 $\frac{1}{4}$	1945	12-1-75	182,000
1 $\frac{1}{4}$	1946	7-1-76	300,000
1 $\frac{3}{4}$	1947	5-1-77	510,000
2.....	1948	12-1-78	85,000
2 $\frac{1}{4}$	1949	12-1-79	490,000
1 $\frac{1}{2}$	1949	11-1-79	270,000
1 $\frac{3}{4}$	1950	6-1-80	330,000
1 $\frac{3}{4}$	1951	10-1-71	250,000
			\$3,083,000

TABLE 38
SCHEDULE OF BONDED DEBT DECEMBER 31, 1961

SEWERAGE WORKS
OUTSIDE DEBT LIMIT

Rate	Issued	Due	Amount
2½.....	1952	10-1-72	\$275,000
2¼.....	1953	10-1-73	600,000
2.....	1955	3-1-75	350,000
2½.....	1955	10-1-75	350,000
3½.....	1957	5-1-77	400,000
3½.....	1957	10-1-77	400,000
3¾.....	1960	11-1-79	450,000
3½.....	1960	11-1-80	475,000
3.....	1961	11-1-81	500,000
			<u>\$3,800,000</u>

The water rates were increased 50 per cent on July 1, 1961.

The new rates are:

RATE PER THOUSAND
CUBIC FEET

Annual Meter Rates:

First 80,000 cubic feet	\$3.00
80,000 cubic feet—4,000,000 cubic feet	2.50
All over 4,000,000 cubic feet	1.75

Annual Minimum Rates:

Meter Size: — ¾" or less	\$20.00	1½"	1½"	2½"	3½"	4½" & up
		\$50.00	\$75.00	\$150.00	\$300.00	\$500.00

Fire Pipe Charges, Annual:

Pipe Diameter: —	Up to 4"	6"	8" & over
	\$50.00	\$100.00	\$200.00

APPLICATION FOR SERVICE

Main pipe petitions	26
Domestic service	541
Fire pipe service	91
Special meter tests	55
Hydrant permits	9
Repair deposits received	125
Miscellaneous deposits	29

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